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APRIL 9, 1949

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A palatable and effective preparation for the relief of respiratory affections.

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PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

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7 more MONSANTO PHARMACEUTICALS in ready supply

SODIUM BENZOATE B.P.
Physical Form: White Powder.
Main Use: General pharmaceutical: preservative: manufacture of tooth paste and cosmetics.

ASPIRIN (Acetylsalicylic Acid B.P.)
Physical Form: Granular (Aspirgran); crystals; powder.
Main Use: Manufacture of aspirin tablets and powders; for general pharmaceutical and veterinary purposes.

LYSOL B.P.
Physical Form: Saponified solution of cresol.
Main Use: Antiseptic and disinfectant for surgical purposes.

CRESANTOL 15
Physical Form: Clear brown liquid. R.W. coefficient equivalent to 65.
Main Use: Manufacture of antiseptic and disinfectant fluids.

CRESANTOL 15-R
Physical Form: As 15 but milder. R.W. coefficient equivalent to 65.
Main Use: Manufacture of antiseptic and disinfectant fluids.

P.C.M.C.
Physical Form: Small crystals.
Main Use: Preserving various industrial products and pharmaceutical preparations against spoilage by micro-organisms: supplementary germicide for antiseptic fluids.
P.C.M.X. is at present very restricted.

PHENOLPHTHALEIN B.P.
Physical Form: White odourless powder.
Main Use: General pharmaceutical.

Write to Sales Department for Bulletin: "Chemicals for the Pharmaceutical Industry"

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ASPIRGRAN
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SODIUM SALICYLATE B.P.
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PHENACETIN B.P.
SODIUM BENZOATE B.P.
BENZOIC ACID B.P.
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PHENOL B.P.
CRESOL B.P.
CRESANTOL 3
CRESANTOL 15
CRESANTOL 15-R
P.C.M.C.
P.C.M.X.
PHENOLPHTHALEIN B.P.
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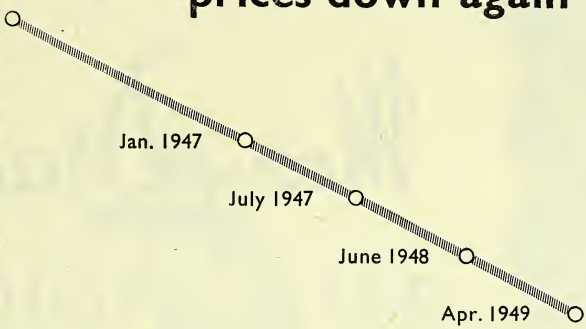
VANILLIN B.P.

MONSANTO CHEMICALS LIMITED
VICTORIA STATION HOUSE, LONDON, S.W.1

PENICILLIN *GLAXO*

prices down again



ver increasing production at the Company's expanding plants makes possible a rther reduction in prices of Penicillin *Glaxo*—for the *fourth* time in less than 3 years. e new prices bring penicillin treatment down to *less than half* its original cost. As om April 4th 1949, the prices are as follows :-

NICILLIN *Glaxo* (freeze-dried sodium salt)	Single Vials		Boxes of 10	
	Old Price	**New Price**	Old Price	**New Price**
500,000 units, vials	4/3d.	**3/11d.**	42/6d.	**38/9d.**
1,000,000 units, vials	8/-	**7/3d.**	80/-	**72/6d.**
YSTALLINE PENICILLIN G *Glaxo* (sodium salt)				
100,000 units, ampoules	—	—	22/6d.	**17/9d.**
100,000 units, vials	—	—	25/-	**20/-**
200,000 units, vials	4/-	**3/-**	40/-	**30/-**
500,000 units, vials	8/6d.	**6/-**	85/-	**60/-**
1,000,000 units, vials	16/-	**11/-**	160/-	**110/-**

	Old price	**New Price**
PROCAINE PENICILLIN G Oily Injection *Glaxo* 10 cc. vials	54/-	**42/-**
PENICILLIN OIL-WAX SUSPENSION *Glaxo* 10 cc. vials	**39/-**	**30/-**
PENICILLIN OILY INJECTION B.P. *Glaxo* 10 cc. vials	**18/-**	**15/-**
PENICILLIN CALCIUM SALT *Glaxo*		
1,000,000 units, vials	9/-	**7/6d.**
10 Mega, bottles	80/-	**70/-**

All prices subject to the usual discount of 33⅓ %

Prices of the following remain unchanged : PENICILLIN *Glaxo* (100,000 units, ampoules and vials. 200,000 units, vials), **OINTMENT and LOZENGES**

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creased demand and reduced costs resulting om operations at our new factory at Hazel rove, have enabled us to effect a number of ice reductions. These reductions became ective to the trade from the 1st February, 1949, d to the public from the 1st March, 1949. l goods are now despatched from our ware-use carriage paid.

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PENICILLIN

PRICE ADJUSTMENTS

With effect from April 4th a reduction in the price of certain penicillin products became operative. Below is given a list of the new prices.

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Crystalline Penicillin (Potassium Salt)	Boxes of 10, vials of 0.1 mega unit	20/-
	Boxes of 10, vials of 0.2 mega unit	30/-
	Boxes of 10, vials of 0.5 mega unit	60/-
	Boxes of 10, vials of 1 mega unit	110/-
'Avloprocil' (Oily Injection)	Vials of 10 c.c.	42/-
	Boxes of 5, vials of 10 c.c.	210/-
Crystalline Penicillin (Potassium Salt) Suspension in Oil. 300,000 units in 1 c.c.	Vials of 10 c.c.	42/-
	Boxes of 10, vials of 10 c.c.	420/-
Crystalline Penicillin (Sodium Salt) **B.P.**	Boxes of 10, vials of 0.1 mega unit	20/-
	Boxes of 10, vials of 0.2 mega unit	30/-
	Boxes of 10, vials of 0.5 mega unit	60/-
Penicillin (Sodium Salt) **B.P.**	Boxes of 5, vials of 0.1 mega unit	6/10½
	Boxes of 5, vials of 0.2 mega unit	10/-
	Boxes of 5, vials of 0.5 mega unit	19/4½
	Boxes of 5, vials of 1.0 mega unit	36/3
	Vials of 10 mega unit	67/6
'Avlon' Penicillin (Oily Injection) **B.P.**	Vials of 10 c.c.	15/-
	Boxes of 10, vials of 10 c.c	150/-
Penicillin (Calcium Salt) **B.P.**	Boxes of 5, vials of 1 mega unit	37/6
	Bottles of 10 mega unit	70/-

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MANCHESTER

Ph374

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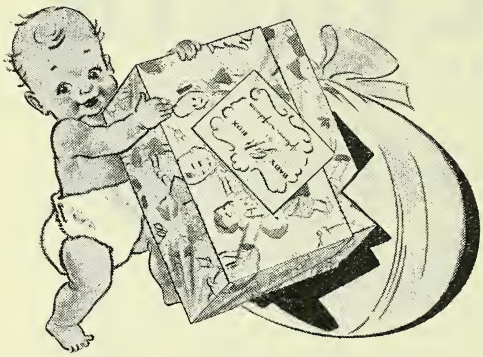

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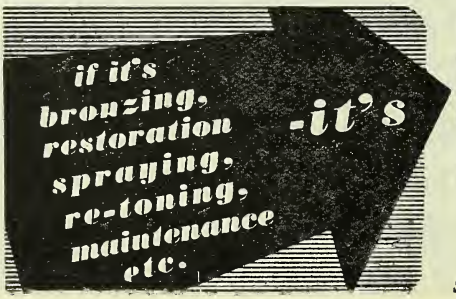

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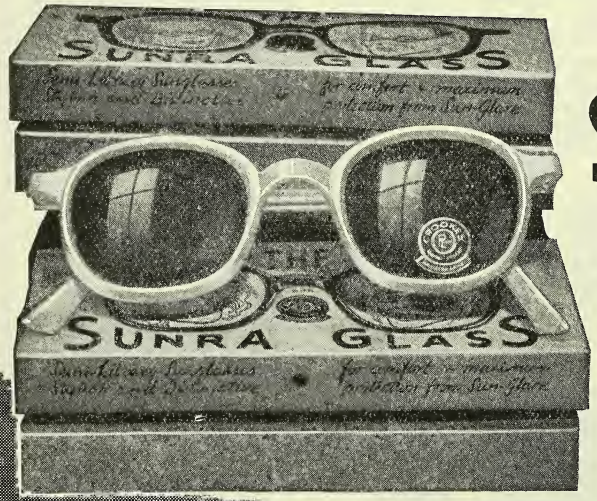

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Manufacturers: **THOMAS TYRER & CO. LTD.**
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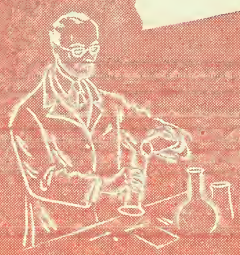

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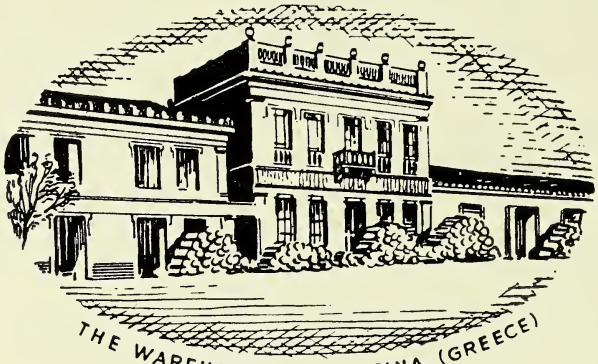

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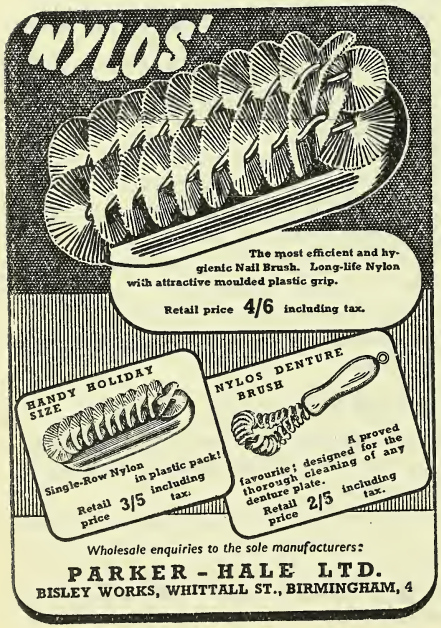

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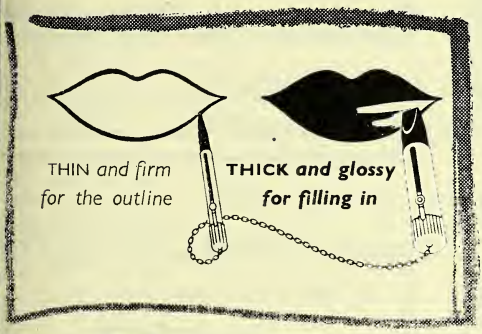

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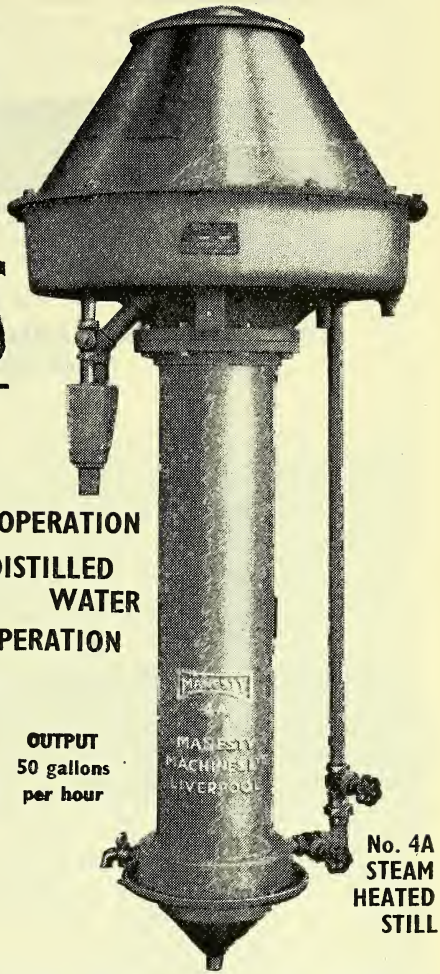

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1" x 5 yard spools .... **Retail 2/- each**
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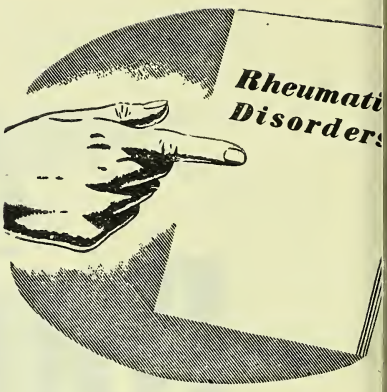

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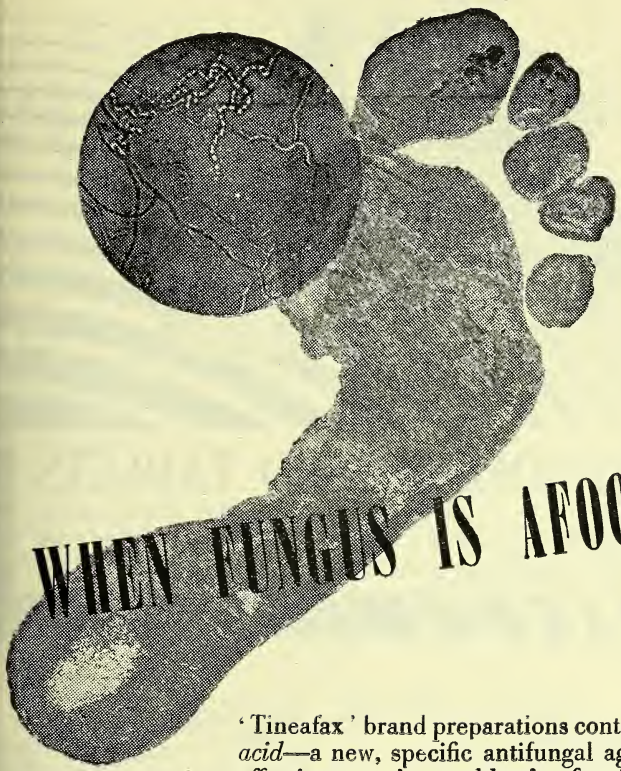

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INDICATIONS. EPILEPSY and all spasmodic conditions ; CHOREA and nervous disorders ; ANXIETY neuroses ; as a hypnotic in all cases requiring phenobarbitone treatment.

Alepsal is supplied in THREE strengths and chemists are requested to take careful note.

NORMAL : 1.54 gr. phenobarbitone : 0.31 gr. p. belladonn fol : 0.38 gr. Caffeine Issued in tubes of 20 tablets. MEDIUM : 0.77 gr. phenobarbitone : 0.15 gr. p. belladonn fol ; 0.19 gr. Caffeine. Issued in tubes of 30 tablets. WEAK : 0.23 gr. phenobarbitone ; 0.046 gr. p. belladonn fol ; 0.057 gr. Caffeine. Issued in tubes of 80 tablets.

NEURINASE Brand

A combination of Fresh Valerian and Soluble Barbitone.

INDICATIONS. INSOMNIA & NERVOUS CONDITIONS. Used as a general sedative and hypnotic.

SOLUTION. 3.5 gr. Soluble Barbitone. Liq. Ext. Fresh Valerian to 100 c.c. Issued in bottles of 3½ oz. TABLETS : 3.3 gr. Soluble Barbitone. 1.0 gr. Ext. Fresh Valerian. Excipient to 6.5 gr. Issued in tubes of 22 tablets.

ALEPSAL Retail	
20's	3/5
30's	3/5

NEURINASE Retail	
Sol :	5/7½
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APRIL 9, 1949

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No. 3607 Volume CLI

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NEWS OF THE WEEK

Annual Meetings.—The annual meeting he British Medical Association is being d at Harrogate, June 24—July 1. The ual meeting of the British Association the Advancement of Science is being d at Newcastle-on-Tyne, August 31-tember 7.

Sulphuric Acid Supply Regulations.—a new order (S.I. 1949, No. 557) which e into operation on April 1, battery accumulator acid, reagent acid, and d containing more than 25 per cent. e sulphur trioxide is removed from e control. The order also reduces the ximum prices of all other strengths of phuric acid.

Mineral Oil in Food Order.—The neral Oil in Food Order, 1949 (S.I., 9, No. 614), which is to come into ration on April 9, prohibits the use of neral oil as an ingredient in the manu-ture of foods for sale to the public. e Ministry of Food has issued a state-nt advising housewives not to use neral oils (including liquid paraffin) as stitutes for edible oils in home cooking.

Emergency Dental Treatment.—The main effect of the National Health Service (General Dental Services) Amendment Regulations, 1949, which came into operation on April 1, is to provide for a simple procedure for dealing with patients who need emergency treatment but do not wish to undergo all the treatment necessary to secure dental fitness.

Colonial Search for Uranium. — The Ministry of Supply has announced that it is willing to buy at a guaranteed price uranium ores and concentrates produced in the Colonial Empire during the next ten years. The Ministry is also interested in purchasing thorium-containing minerals. The search for radioactive minerals in the self-governing countries of the Commonwealth is already being actively pursued by the respective Governments.

Anglo-German Trade. — Essential oils, various waxes and gums, shellac and shellac raw materials, natural resins, dried and frozen animal organs, crude drugs and alkaloids, and a limited quantity of miscellaneous chemicals are included in the

list of goods to be exchanged under the recent Anglo-German trade agreement for the six months ending June 30, 1950. Britain hopes to import from Western Germany miscellaneous raw materials, including chemicals.

Poisons Rules Date.—The Poisons List Order, 1949 (S.I., 1949, No. 538) and the Poisons Rules, 1949 (S.I., 1949, No. 539), which effect the changes notified by the Home Office in January and amplified in February (see *C. & D.*, January 8, p. 34, and February 12, p. 193) were laid before Parliament on March 25 and come into operation on April 11. Copies of the Order (price one penny) and Rules (price ninepence) may be obtained from H.M. Stationery Office.

"Co-ops" and Pharmacists' Salaries.—The Central Board of the Co-operative Union recently considered a resolution, submitted by the St. Helens Society for discussion at the annual conference in May, deploring the practice of some societies in ignoring "established" rates of pay, thus forcing other societies to enter into salary competition to secure qualified labour. A member of the board declared that co-operative societies and other traders were being held to ransom by pharmacists and that it was difficult for societies to keep to agreed rates if they wanted to keep their shops open.

N.F., 1949, and Purchase Tax.—The National Formulary, 1949, has been approved by the Minister of Health for purposes of the National Health Service with effect from May 1, 1949. Preparations appearing in the Formulary, whether or not compounded with substances appearing in the monographs and formularies of the other publications specified in Provision I of Purchase Tax Notice No. 78M or with an excipient, vehicle, base or preservative, will qualify for exemption from purchase tax, subject to compliance with the remaining provisions of Notices Nos. 78M or 78N. The National Insurance Formulary, 1939, and its previous editions which were used for the National Health Insurance scheme, and other publications such as the Extra Pharmacopœia (Martindale), Squire's "Companion," and foreign pharmacopœias, are not approved for purposes of purchase tax exemption.

Council Nominations.—The following have accepted nomination for election to the Council of the Pharmaceutical Society of Great Britain (an asterisk denotes a tiring member):—

BLACK, Hugh Lindsay Stirling, Ki ston-on-Thames
BRYDSON, William Callis, London
DOWTY, Joseph Masters, Southampto
FOSTER, Bernard, Cottingham, Hull
GILMOUR, John, Liverpool
GOULDER, Joseph Lovell, Cheltenha
GRIFFITHS, Edward Trefor, Cardiff
HUDSON, Donald William, Hove
*IRVINE, Jean Kennedy, London
*ISLIP, Mary Cater, London
MACFARLANE, Charles William, Dund
MADGE, Archibald George Merv Plymouth
*MAPLETHORPE, Cyril Wheatley, Lon
PRIESTLEY, George Henry, London
*REID, Thomas, Luton
SHARP, Louis Kenneth, Beckenham
*SHAW, Granville, Long Eaton
STOKES, William Ewart, Ewell, Sur
*TRISTRAM, William John, Liverpool
WILLIAMS, Basil Allen, Brentford

Payments to Dispensing Doctors.—T Minister of Health has issued a circu explaining the basis on which doctors to be paid for drugs and appliances s plied from July 5, 1948, to March 1949. Where a doctor has arranged, o required by an Executive Council, supply certain patients with all requi drugs and prescribed appliances, he n elect to be paid for those he actually s plies, and payment is then on the b of the Drug Tariff. Where a practitio elects to receive a capitation fee for pensing patients to cover the liability supply all drugs and prescribed applian other than those included in the spe list, the amount payable is at the rate 6s. 6d. a year. A medical practitio will receive payment on the basis of Drug Tariff for any drug or appliance the special list actually supplied by h to a dispensing patient. Payments drugs and appliances (other than those the special list) required for immedi administration or application, or for before a supply can conveniently be tained by the patient, should be at the r of 2s. 6d. per annum for every 100 p sons included in the practitioner's list, cluding those to whom he has arranged is required to supply all necessary dru and prescribed appliances. A resoluti describing the dispensing allowance "grossly inadequate" has been referr to the General Medical Services Committ of the British Medical Association.

LOCAL NEWS

Works Visits.—Chief pharmacists from ondon hospitals, forming a large party, ere the guests of Evans Medical Supplies, d., on a two-day visit to the company's oratories and factories on March 31 and pril 1. The chairman of the company Ir. I. V. L. Fergusson) presided at a nner party for the guests. Recent visitors the Liverpool and Runcorn laboratories d factories of the company have included legates attending a conference in Liverol of the Association of Veterinary Stunts, students from the Liverpool College Commerce, fourth-year students from e Liverpool School of Veterinary Science, d the North-western Branch of the Intute of Industrial Administration.

Diabetes Lecture at Leicester.—A lecre on diabetes and insulin was given to e Leicester Branch of the National Assotion of Women Pharmacists recently by . Joan Walker. After explaining the ysiology of insulin production and the mptoms exhibited by untreated diabetics, . Walker described the various forms in ich insulin was commercially available d the ways in which it should be adnistered. Diabetics, she said, were aded to carry a card giving their name d address and stating that they were abetics, and it was helpful if the card also stated the strength of insulin prescribed, the dosage, and a reference to the appropriate graduations on the patient's syringe.

Chesterfield Lecture on Bacteria.—At a meeting of the Chesterfield Branch of the Pharmaceutical Society on March 22, Mr. H. Proom, B.Sc., (Burroughs Wellcome & Co.) spoke on "The Nature of Pathogenic Bacteria" illustrating his talk with lantern slides and specimen plates. He described many forms of bacteria and gave an account of their history and growth. In answer to a question he said sulphonamides inhibited the growth of bacteria by "blocking" them or by themselves using up compounds that were necessary for bacteria growth.

Blackpool Ladies' Committee. — The following have been appointed to the Ladies' Committee of the local British Pharmaceutical Conference Committee at Blackpool: *Chairman,* Mrs. J. L. Dawson Cook; *Vice-chairman,* Mrs. F. Carter; *Secretary,* Miss L. I. Anderson, M.P.S.; *Treasurer,* Miss J. M. Westwood, M.P.S; *Committee,* Mesdames P. Varley, T. Durkin, A. Greenwood, M.P.S., J. Limb, M.P.S., J. Shenton, H. Taylor, L. Todd, S. Cowgill, C. Leadbeater, H. Moorhouse, R. Stuttard, A. W. Stark and H. Moon. The first activity of the new committee was to organise a whist drive held on April 8.

ASGOW PHARMACY CLUB.—*Group includes Messrs. W. Wood Wilson, T. McGowan (president) and orge Mackay in front row; Messrs. J. C. Gales (secretary), W. Anderson (vice-president), W. Peebles d S. Hughan at rear, photographed at the annual dinner of the club on March 29.*

OVERSEAS NEWS

Israeli Luxury Tax.—A surtax of 35 per cent. has been imposed by the Israeli Government on a number of items, including perfumes. The tax is applicable both to stocks and new imports.

Rumania Nationalises Pharmacies.—The Rumanian Government, as part of its nationalisation programme, has taken over all pharmacies. A commission of three magistrates is to determine the compensation to be paid.

Swiss-Indian Trade Pact.—A commercial agreement was concluded recently between Switzerland and India, under which Switzerland will export to India, among other items, chemicals, pharmaceutical products and dyes.

Egyptian Import Duties. — Under an increased duty announced by the Egyptian Government on imported "luxury" goods the duty on pharmaceutical specialities, perfumes, cosmetics, cameras and photographic materials has been increased by 10 per cent.

U.S. Lawyers Oppose Drug Clauses.—The section on drug law of the New York State Bar Association has adopted a resolution strongly condemning a recent amendment to the Federal Food, Drug and Cosmetic Act which requires the Government to prove intent or gross negligence in a criminal proceeding under the Act.

"Cholera Memorial" Medal. — At a ceremony at the third session of the Executive Board of the World Health Organisation in Geneva, recently, the Organisation was presented with an "Anti-cholera Memorial Medal" from Egypt in recognition of its assistance to that country during the cholera epidemic in the autumn of 1947.

Anti Tsetse-Fly Campaign. — British medical and insect-control experts are to co-operate with two American specialists in making a survey of tsetse-fly and other insect-borne diseases in East and West Africa. The survey may form the basis of a health campaign in those areas. Costs of the American workers, who are qualified in research administration, are to be borne by the European Co-operation Administration.

A New Antibiotic Against T.B.—Dr. S. A. Waksman (discoverer of streptomycin) has isolated, with a colleague, a new antibiotic, called neomycin, which is undergoing trials against tuberculosis experimental animals. The drug has sho activity in streptomycin-sensitive a streptomycin-resistant forms of tubercle bacillus, and absence of res ance among initially sensitive organis

German Chemicals to Czechoslovak —Under a current one-year trade agr ment the Anglo-American Bizone of G many is supplying Czechoslovakia with wide range of chemical products, includ pharmaceutical specialities and reage to a combined value $300,000. The p ducts, with their values, include: Dyestu $700,000; refined synthetic camph $50,000, etc. Czechoslovakia is supply in exchange botanical drugs, $150,0 various chemicals, $100,000; lactic a $42,000; potassium permanganate cryst $35,000; caustic potash (pure), $31,9 caustic soda (pure) $23,710, etc.

IRISH NEWS

New I.D.A. List.—The Irish D Association price list for 1949 is confi to proprietary preparations, etc. A sep ate list covering drugs, chemicals and p scription pricing is to be published a later date.

Chemists' Rugby Football Club.—T Irish Chemists' Rugby Football Club b Tullamore on March 27 by 17 points 3. Of twenty matches this season the c has won fourteen and drawn one. T club's first annual social is to be held Dublin on April 28. Tickets (supper a dance, 5s.; dance only 2s. 6d.) may obtained from Mr. C. A. Roche, 2 Ra down Villas, Terenure, Dublin (telephor Dublin 96555).

Belfast Dinner and Dance.—More th 200 guests were present at a dinner da organised by the social committee of Pharmaceutical Society of Northern I land and held in Belfast on March 28. T president of the Society (Mr. Henry Cowzer) who was accompanied by M Cowzer, welcomed the guests, who inclu Mr. P. A. Brady (president of the Ph maceutical Society of Ireland) and M Brady, and Mr. J. G. Coleman (registr and Mrs. Coleman. Mr. Cowzer s that the visit to Belfast paid the president of the Pharmaceuti Society of Ireland was the first since 193 he hoped it would become an ann event. Spot prizes were won by Mr. a Mrs. John McGregor and Mr. and M Davison; Mr. W. H. Boyd was M.C.

TOPICAL REFLECTIONS

Others See Us

So much of Mr. Thomas Reid's pharaceutical life has been lived in England at it is at first sight amusing to find him eaking at Dundee (p. 420) as a Scottish armacist. An essay might be written, th historical examples, on the acclimaation of Scottish settlers in England. ow complete that process may become is ll shown in the biography of the late rd Tweedsmuir (long known as John chan), contributed by several of his cnds. In the Oxfordshire village of Elsld he and his family became an institun the memory of which seems likely to t. Yet in most of such migrations there an inborn love of some part of Scotland, factor determining many choices in life. we can accept Mr. Reid's remarks at ndee as those of a dispassionate observer. s experience as the proprietor of a pharacy in Bedfordshire prompted a useful mparison between dispensing there and pensing in Scotland. Is it the case that, a rule, English medical practitioners ite more prescriptions than their Scoth counterparts do? If so, respective tional mentalities are probably accountle. The speaker was of opinion that, cause of this difference, English pharmats have to work at greater pressure than ir colleagues across the Border. His servation that the busiest days of the ek are Monday and Saturday is intriing. In the eighteen-nineties dispensing the West End of London was usually avy on Mondays, the accepted explanan being that many local residents sent their family doctors on Sundays: the it appears to have descended to the otégés of the Ministry of Health.

H.S. Questions

National Health Service questions are ominent in your issue of April 2. Mr. omas Reid's address, referred to in my eceding paragraph, included the practical ip" that customers may be invited to t prescriptions in their chemist's letterx overnight for dispensing early in the y. The difficulty of Mr. Trevor Shelley 443) in obtaining special preparations N.H.S. patients is a real one, and nel chemists' losses on this account are coming a serious problem. The only ggestion I can make at the moment is t such preparations be ordered with a e limit for delivery, the patient's consent being previously obtained. In fairness to manufacturers it should be remembered that in most instances of delay the explanation is shortage of staff due to illness: a parallel case came to my notice a few days ago. News of projects for health centres is appearing spasmodically in the Press; I trust that the position is being watched by the Pharmaceutical Society and the National Pharmaceutical Union. According to one of these reports the London County Council programme for the three years 1950-53 inclusive will cost sums totalling nearly £1,500,000. At the time of writing the approval of the Ministry of Health for these schemes had not been announced. It may be that the Ministry is becoming alarmed at the prospective cost of these schemes, for it was stated about the same time as the L.C.C. announcement appeared that permission to build certain health centres had been refused to the Birmingham City Council and the West Ham Borough Council. Obviously it will be wise, from the taxpayers' point of view, to proceed cautiously.

American Drug Stores

An old subject is concisely brought to date in the article of "E.G.M." (pp. 436-37). In 1933 the late Mr. Herbert Skinner dealt with the conditions of retail and dispensing businesses in the United States in illustrated articles extending to eight *C. & D.* quarto pages: some of the facts there tabulated are still valid as data for comparison with conditions in the United Kingdom. The writer of the recent article has not attempted anything so ambitious, but has given a readable summary of present-day types of U.S.A. drug stores. Several differences from shopping habits on this side of the Atlantic are noticeable. A drug store over there may be crowded "even between 7.30 and 9 a.m.", because in large towns many Americans breakfast away from home. Again, "second in importance to the soda fountain is usually the tobacco counter"; and "even the candy counter . . . appears to take precedence over the prescription department." This emphasis on ready sales in the average drug store does not diminish the prestige of the pharmacies mainly devoted to dispensing; some of these have a world-wide reputation. Of general interest is "E.G.M.'s" statement that all directions on dispensing labels are typed.

Xrayser

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

When questions were asked in the House of Commons about the report of the Committee on Leasehold Reform, the Attorney General (Sir Hartley Shawcross) said the Committee's interim report had been presented to the Government a few days previously. The problems involved were of great complication and difficulty and required a little consideration before the report was published. The final report on leasehold premises generally was still the subject of consideration by the Committee.

Payments to Chemists in Aberdeen

Mr. H. R. Spence asked the Secretary for Scotland on March 29 whether he was aware of a continued delay in payments to chemists in Aberdeenshire under the National Health Service, now in some cases six months overdue, and what remedy he was applying. Mr. Woodburn said he regretted that final settlements were outstanding, owing to shortage of pricing staffs. Advances representing the whole of the estimated payments due to the end of 1948 had, however, been made, together with advances of roughly 80 per cent. for January and February. Discussions were taking place with representatives of the Scottish chemists about new methods of pricing prescriptions, and their adoption would reduce delay in final settlement without requiring the employment of additional staff. The Minister promised to look into specific cases.

Medicine Tax Anomalies

Sir Wavell Wakefield asked the Chancellor of the Exchequer on March 29 if he would take alleviating action to allow mixtures of substances scheduled under Heads II or III of the Purchase Tax (No. 5) Order, 1948, and substances which were the subject of monographs in the British Pharmacopœia and British Pharmaceutical Codex to be sold free of purchase tax.

Sir Stafford Cripps: The Purchase Tax (No. 5) Order, 1948, covers substances of a character rather different from the others mentioned. It is therefore difficult to see where acceptance of this proposal would lead us.

Mr. Philips Price asked the Chancellor of the Exchequer why aluminium hydroxide had been exempted from purchase tax under the Purchase Tax (No. 5) Order, 1948, and could be sold free of such even under a brand name and when m up for oral administration, while ot antacids, equally approved by med opinion, such as magnesium trisilicate hydroxide, were subject to purchase when sold under such conditions, and w was the machinery by which anomalies this kind could be reconsidered.

Sir Stafford Cripps replied: T trade organisation most concerned already been informed that magnesi trisilicate and hydroxide will be conside when the next Treasury Order exempt medicines is being prepared.

Mrs. Leah Manning asked the Ch cellor of the Exchequer whether he aware that substances listed under H II of the Purchase Tax (No. 5) Or 1948, could only be sold free of purch tax if they were not mixed with any s stance other than one which could regarded as an excipient, a vehicle, base or a preservative and that, in c sequence, such substances became liable purchase tax if compounded with ot medicaments, even if the resultant art was medically desirable, and whether c sideration could be given to the rem of this anomaly.

Sir Stafford Cripps: The condit is designed to limit the exemption to sential drugs. If Mrs. Manning consid it has the effect of excluding any essen medicine from exemption and will let have particulars of the preparation, I have it considered.

Mrs. Manning asked whether the Ch cellor was aware that, under the pres Purchase Tax Order, relating to Part of the Eighth Schedule of the Fina Act, 1948, no medicines or drugs that w not the subject of monographs in British Pharmacopœia, the British Ph maceutical Codex or other publicati mentioned in that schedule could be s free of purchase tax and that, since th publications were revised only at long tervals, the condition imposed an un sirable penalty on the introduction of r medicines and drugs for the benefit the public. Sir Stafford replied t the Treasury orders under which medici were exempted were not restricted to th described in the publications mention but included substances in a number more recent preparations.

›duction of Streptomycin

Mr. Granville Sharp asked the Min-r of Health on March 31 what progress l been made in the production of ›ptomycin, and what increase there had n since July 1948 in the number of hos-als at which streptomycin treatment was mally available. Mr. Aneurin Bevan lied that production was now sufficient cover all medical needs for which the of the drug was reliably indicated. and provide small but increasing quantities export. Further expansion was nned. Since July 1948 the number of pitals in England and Wales at which ›ptomycin treatment was available had n increased from 30 to 220.

›t-and-mouth Disease Serum

Mr. De la Bere asked the Minister of iculture on April 4 whether he would sider making experiments in this coun- in the treatment of foot-and-mouth ›ase by serum vaccination. Mr. Tom lliams replied that tests with serum l been carried out in this country. The of serum would not, however, be en-ly effective in preventing outbreaks or spread of the disease.

›lgesics in Midwifery

Lady Tweedsmuir asked the Minister Health on March 31 at what date he l asked the Medical Research Council find a solution to the problem of pro-ing a safe and effective analgesic agent use in midwifery and to devise a light, ple and easily maintained apparatus for administration.

Mr. Aneurin Bevan: There was no d for me to make that request because Medical Research Council, as I was are, took into consideration the recom-ndation made in this matter by the king party on midwives, and they have ided to set up a committee in accord-e with the recommendation referred to the questioner.

Lady Tweedsmuir further asked what ges the researches had reached and ther the Minister would press forward h the provision of transport for present ns of analgesia in all districts. To this . Bevan replied that many alterations e being made in analgesic apparatus, l he was hoping that before long a aper and a much more easily transport-e form would be produced. Those con-erations, however, would not be allowed nterfere with the provision of transport midwives.

LEGAL REPORT

Street Vendor's "Cure-all."—At Clerkenwell magistrates' court, on March 30, Jack Hanson Stewart, 7 Gosfield Street, London, W.1, pleaded guilty to a summons under the Pharmacy and Medicines Act, 1941, alleging that at Chapel Market, London, N.1, on January 12 he sold by retail tablets or pills consisting of a substance recommended as a medicine, not being a registered medical practitioner or dentist, an authorised seller of poisons or a person who had served an apprenticeship to a registered pharmacist. Prosecuting solicitor said that the defendant, who could be described as a street vendor of medicines, was seen by an inspector on January 12 delivering a discourse to members of the public on the virtues of certain medicines he was selling. His paraphernalia included herbs, a skull, glasses and various coloured liquids. He referred to a medicine that was sold and advertised in Charing Cross Road under the name Damaroids and said it was for the rich, but what he was selling was the same kind of medicine at a cheaper price for the poor. He claimed that it was good for a variety of complaints, which he enumerated. The inspector purchased two packets of pills, sold at one shilling per packet. In reply to a question by the magistrate, an inspector said the pills could probably be bought in shops. The defendant said the Act under which he was prosecuted came into force when he was in the Services. He was not conversant with it until he was informed by the inspector. Defendant was fined 40s., with £2 2s. costs.

BUSINESS CHANGES

Virol, Ltd., have appointed Mr. L. C. Dutton, F.R.I.C., chief chemist.

Vitamins, Ltd., have transferred their representative, Mr. H. Quinn, from the Midlands territory to the Manchester and East Lancashire areas.

Mr. Aubrey Glass, M.P.S., has acquired the business of J. Black (Chemists), Ltd., 51 Bury Old Road, Prestwich, Manchester.

John Knox (Stoke-on-Trent), Ltd., Jaynox Works, King Street, Fenton, Stoke-on-Trent, have transferred their Fylde depot to Clyde Street, Blackpool, North Shore (Telephone: Blackpool 20048).

Cross & Max, Ltd., have transferred their business to their former subsidiary, Cloister Laboratories, Ltd., 17 Bishops Court, Old Bailey, London, E.C.4. Messrs. Cloister Laboratories take over responsibility to suppliers and customers for all goods ordered by or from Cross & Max, Ltd. There is no change in management or staff.

PERSONALITIES

Mr. T. Price Davies, M.P.S., J.P., Llandrindod Wells, gave a broadcast talk in the B.B.C. programmes on April 1 on the county of Radnorshire.

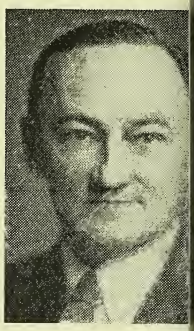
Sir Cyril Hinshelwood, M.A., Sc.D., D.Sc., F.R.S. (Lee's professor of chemistry, Oxford) was presented with the Longstaff Medal for 1948 at a ceremony at the 108th annual meeting of the Chemical Society in London on March 31 for his contributions to chemistry.

Mr. Geoffrey A. N. Hirst (chairman and managing director of Hirst, Brooke & Hirst, Ltd.), manufacturing chemists, Sheepscar Works, Leeds, and a director of the Association of Manufacturing Chemists, Ltd., has been appointed senior vice-president of the Leeds Chamber of Commerce. A biographical note on Mr. Hirst was published in the *C. & D.*, 1948.I.171.

Mr. John Anderson, who has been in charge of the Manchester office of May & Baker, Ltd., since 1942, retired at the end of March after serving with the company for about thirty-seven years. A native of Northern Ireland, Mr. Anderson gained experience of the drug trade in Belfast and Dublin, and in 1912 joined May & Baker, Ltd., as sales representative with a district covering the North of England, Scotland and Ireland.

Mr. H. Roy Cox, who has been elected chairman of group 2 (pills, tablets, etc.) of the Association of British Pharmaceutical Industry is a joint managing director of Arthur H. Cox & Co., Ltd., Brighton—a company founded by his grandfather. After an education at Brighton College, Mr. H. Roy Cox gained experience in the works of his present company, and later served a pharmaceutical apprenticeship with Mr. Lusher-Pentrey, M.P.S., Dalston, London. On returning to the Brighton factory in 1926 he served in the sales and administration department, and made his acquaintance with the Association, which had then just been formed under the name of Wholesale Drug Trade Association.

Mr. R. P. Linstead, C.B.E., Ph. D.Sc., F.R.S., is to succeed Sir Ian H bron as professor of organic chemistry and director of the organic chemistry laboratories, Imperial College of Science and Technology, London. Since 1945, Dr. Linstead has directed the chemical research laboratory, Department of Scientific and Industrial Research, Teddington. Educated at the City of London School and Impe College, London, he later lectured in ganic chemistry at the college, and h professorships in chemistry at the univ sities of Sheffield and Harvard, U.S.A. was the deputy scientific director of Ministry of Supply, 1942-45.



Miss Doreen Murgatroyd, M.P who addressed the Hendon and Edgw Branch of the Pharmaceutical Society recently (see p. 461) has been on the staff of the South-eastern Pricing Office since 1944, and was appointed an assistant superintendent (pharmacy) in 1948. Apprenticed with G. P. Fairman & Son, Ltd., Sunderland, Miss Murgatroyd qualified in 1934 from Sunderland Technical College. A serving as an assistant in pharmacies South Shields and Ryhope, she was pointed a branch manageress for Tas Co-operative Chemists, Ltd., Birmingha Later she managed a pharmacy for her f employer. She joined the staff of the p ing office while it was in evacuation Marlborough. An active member of local Branch of the Society, Miss Mur troyd is a council member of the Sou west London Chemists' Association and publications officer of the National As ciation of Women Pharmacists.

MARRIAGE

Jones-Jones.—At Liverpool, on April 2, ierce Jones, M.P.S., 18 Willowdale Road, Tossley Hill, Liverpool, 18, to Gwyneth eryl Jones, Liverpool.

DEATHS

Bell.—At 39 Paton Street, Alloa, on arch 24, Mrs. H. E. McG. M. Bell, wife Mr. I. H. Bell, M.P.S., 58 Tullibody oad, Alloa, Clackmannans, aged seventy-ght.

Brebner.—On March 24, Mr. G. H. ebner, M.P.S., assistant foreign sales anager, European Branch, Parke, Davis Co., London, aged sixty-four. Mr. ebner had been with the firm for nearly irty years and was due to retire on pen-n in July. As a young man he gained luable experience in Continental phar-acies, and had a sound knowledge of veral languages. In the 1914-18 war he rved in the Royal Army Medical Corps Sergeant-Dispenser, later becoming a eutenant in the 7th Battalion, the Mid-esex Regiment, and being wounded in e arm. During the 1939-45 war he took arge of the firm's foreign department, d devoted what spare time he had to e Home Guard. He was a talented ama-ur actor, and included acting with gar-ning and motoring amongst his hobbies. e is survived by his widow and two sons.

Crichton.—At 53 Dreghorn Loan, linton, Edinburgh, on February 28, rs. Margaret Crichton, wife of Mr. homas Crichton, M.P.S., 26 Brougham ace, Edinburgh.

Figgis.—A memorial service to Mr. enjamin Ernest Figgis (S. Figgis & Co., oduce brokers, 47 Fenchurch Street, ondon, E.C.3) who died on March 15, as held at St. Mary-at-Hill Church, astcheap, London, on March 31. The rvice was attended by his widow, sons d members of the family, business part-rs and staff, and a large number of rmer business associates representing the rious Mincing Lane trades. The Rev. A. H. Lee, Edgware, who officiated, as a friend who had been associated with r. Figgis on the Bench.

Hunt.—On March 13, Mr. William lbert Edward Hunt, M.P.S., 90 Wanstead ark Road, Ilford, Essex. Mr. Hunt quali-d in 1906.

Killick.—At 32 Lowther Hill, Forest Hill, London, S.E.23, suddenly, on March 31, Mr. Arthur William Killick, aged seventy-two. Mr. Killick was a representative for Burgoyne, Burbidges & Co., Ltd., East Ham, London, E.6. A funeral service was held at Honor Oak crematorium on April 6.

McIntyre.—On March 28, George McIntyre, M.P.S., 20 High Street, Ellesmere, Shropshire. Mr. McIntyre qualified in 1899.

Williams. — On February 16, Mr. Ernest George Aloysius Williams, M.P.S., 57 Valiant Avenue, Higher St. Budeaux, Plymouth, Devon. Mr. Williams qualified in 1936.

Woods. — On March 10, Mr. Joseph Francis Woods, M.P.S., 95 Taggart Avenue, Liverpool, 16, aged seventy-eight.

WILLS

Mr. G. Evans, M.P.S., Nantyffyllon, Glam, left £9,098 (£9,007 net).

Miss E. A. Berrill, M.P.S., 48 Corringham Road, London, N.W.11, left £9,732 (£9,479 net).

Mr. A. V. Ison, M.P.S., 17 Cromer Road, Branksome, Poole, Dorset, left £3,739 (£3,577 net).

Mr. R. R. Bastion, M.P.S., 1 Albany Road, Redruth, Cornwall, left £14,028 (£12,645 net).

Mr. A. Fernley, retired pharmacist, 233 Newcastle Street, Burslem, Stoke-on-Trent, left £2,730 (£2,382 net).

Mr. A. E. Ife, M.P.S., 38 Victoria Road, Maldon, and Southminster, Essex, left £31,301 (£30,972 net).

Mr. W. Woodruff, M.P.S., Cheriton, Yew Tree Road, Davenport, Stockport, and 46 Station Road, Cheadle Hulme, Ches, left £1,075 (£1,030 net).

Mr. A. A. Hudson, M.P.S., Highfield Avenue, Idle, Bradford, formerly of Torquay, left £442.

Mr. W. Roberts, M.P.S., 8 Poplar Grove, Stepping Hill, Stockport, formerly of Hazel Grove, Ches, left £11,360 (£11,243 net).

Mr. L. Clements, M.P.S., 15 Park Road, Heaton Moor, Stockport, Ches, formerly of South Norwood, London, S.E.25, left £5,506 (£5,011 net).

Mr. H. G. Smith, M.P.S., The Firs, Lynn Road, Downham Market, Norfolk, left £15,559 (£15,412 net).

Mr. J. Price, retired pharmacist, 12 Willes Terrace, Leamington Spa, 42 Bath Street, Leamington Spa, Warwicks, left £7,084 (£6,971 net).

Mr. A. A. Deck, retired pharmacist, 3 Fulbrooke Road, Cambridge, left £2,527 (£2,419 net). He left a sum to the Benevolent Fund of the Pharmaceutical Society.

Lord Ashfield of Southwell, P.C., T.D., Sunningdale, Berks, a director of Imperial Chemical Industries, Ltd., and other companies, and President of the Board of Trade, 1916-19, left £59,971 (£50,284 net).

TRADE NOTES

Discontinued. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that their product Physolactin is discontinued.

Price List.—Eli Lilly & Co., Ltd., Basingstoke, have issued a new edition of their price list (No. 7) of medical and pharmaceutical products.

Easter Gifts.—Johnsons baby gift pack is suggested as an Easter present by the manufacturers Johnson & Johnson (Great Britain), Ltd., Slough and Gargrave. The product is illustrated on another page.

Impregnated Picture-card. — Silverthorn Manufacturers, Ltd., Springfield Works, Chingford, London, E.4, are offering Surekill DDT-impregnated picture card, details of which are given elsewhere in this issue.

Now Tax-free.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, notify chemists that Tabloid calcium gluconate with calciferol is now exempt from purchase tax. The product is supplied in bottles of twenty-five and 100 tablets.

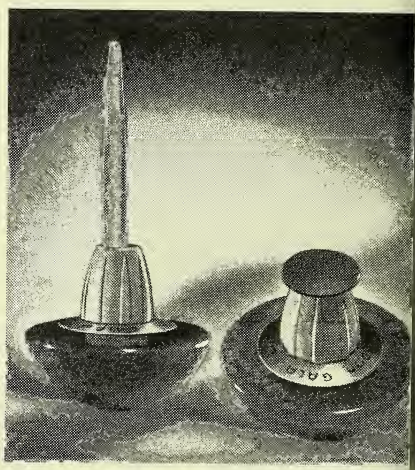
Penicillin and Preparations.—In addition to the reductions already announced (see *C. & D.*, April 2, p. 429), Imperial Chemical (Pharmaceuticals), Ltd., reduced on April 4 the prices of crystalline penicillin sodium and potassium and crystalline penicillin potassium suspension in oil.

Shop-window Lighting.—A four-page folder describing, illustrating and giving prices for G.E.C. fittings and Osram lamps for shop-window, flood and sign lighting is available from the General Electric Co., Ltd., Magnet House, Kingsway, London, W.C.2.

London Warehouse.—Monsanto Chemicals, Ltd., Victoria Station House, Victoria Street, London, S.W.1, announce that they have re-established warehouse facilities within the London area at which limited quantities of products are being stocked to meet emergency needs beyond the scope of normal delivery arrangments.

Pack and Price Changes. — British Schering, Ltd., 167 Great Portland Street, London, W.1, state that the prices of Oraluton (ethisterone, B.P.) tablets in 5-mgm. and 10-mgm. sizes and of Oraviron (methyl testosterone, B.P.) tablets in 5-mgm. and 10-mgm. sizes were reduced on April 1. The following new strengths will shortly be available: Oraluton tablets, 25 mgm.; Testoviron ampoules, 50-mg per 1 c.c. and 100-mgm. per 2 c.c. I tails of the packs and prices will be c culated so soon as stocks are ready distribution.

Non-spill Pack.—Gala of London, L Hook Rise, Kingston By-Pass, Surbit are now issuing Gala nail colour in "tumblejack" non-spill bottle as illust ted. The bottle rights itself every ti it is pushed. The outfit includes a lo



and shapely removable handle to the bru and the bottle, as issued, is surmoun by a tiddleywink showing the act colour of the contents. There is a colo to match every Gala lip colour, plus a f neutral, smoky shades.

Corrections to Advertisements. Southon Laboratories, Ltd., 88 Up Richmond Road, London, S.W.15, reg that, in an advertisement which appea in last week's issue of The Chemist a Druggist, the packing of Esoban cream calamine was incorrectly described. T product is issued in 4-oz. bottles.—Wa Blenkinsop & Co., Ltd., point out t the two preparations of aminacrine hyd chloride, B.P., included in the Natio Formulary, 1949, are crem. aminacrin. a liq. aminacrin., and not as stated in t company's announcement in the April issue of the *C. & D.*

Dispensing Packs. — Ciba Labor tories, Ltd., Horsham, Sussex, state t dispensing packs of the following produ

now available:—Antistin-Privine solu- n: bottles of 20 fl. oz.; Coramine id: bottles of 500 c.c.; Coramine- enosine tablets: bottles of 250; Cora- e-caffeine tablets: bottles of 250; amine-ephedrine tablets: bottles of ; Privine solution, 1:2000: bottles of fl. oz.; Privine solution, 1:1000: bot- of 20 fl. oz. Copies of a price-list plement giving details of the packs available on request. A leaflet des- ing the main clinical applications of new strengths of Perandren and Luto- lin (see *C. & D.*, April 2, p. 429) is available.—KAYLENE, LTD., Waterloo d, London, N.W.2, state that dispens- packs of all the company's products, of purchase tax, will be available r May 2.

Holiday Closings. — The following ufacturers and wholesalers have noti- that their offices and/or warehouses be closed from Thursday evening, il 14 until Tuesday morning, April 19: URROUGHS WELLCOME & CO., 183 Eus- Road, London, N.W.1 (emergency staff duty Saturday morning); BARCLAY & S, LTD., 95 Farringdon Street, London, .4, and Devonshire Place, Brighton; A LABORATORIES, LTD., Horsham, Sus- ; EVANS MEDICAL SUPPLIES, LTD., ke, Liverpool, 19, and London (urgent uirements of antitoxins, sera and vac- s from addresses given in the com- y's "A" list); GLAXO LABORATORIES, ., Greenford (skeleton staff on duty 9 . to 12 noon, Saturday morning); MAY AKER, LTD., Dagenham; H. R. NAPP, ., 3 Clements Inn, London, W.C.2 ergency orders to John Bell & Croyden, Wigmore Street, London, W.1, or R. olby Brooke, 38 Gloucester Road, Lon- , S.W.7); PHARMACEUTICAL SPECIALITIES AY & BAKER), LTD., Dagenham (closed n noon on April 14; urgent require- nts from John Bell & Croyden, 50 Wig- re Street, London, W.1); SHARP & HME, LTD., West Hill Laboratories, Hod- don, Herts (urgent requirements from n Bell & Croyden, 50 Wigmore Street, ndon, W.1).—The London offices of WARDS, SONS & PARTNERS, 32 Shaftes- y Avenue, London, W.1, will be closed n Tuesday evening, April 12 until nday, April 25; the company's Man- ster offices, Cleveland Buildings, 94 rket Street, Manchester, 1, will be open usual, and all correspondence should be t to that address while the London ces are closed.

NEW COMPANIES

NATURE SPECIFICS, LTD. (P.C.).—Capital £1,000. To carry on the business of herbalists and druggists, etc. Mark E. Kirby and Kenneth R. Knight, directors. R.O.: 177 Vauxhall Bridge Road, London, S.W.1.

SELOCOL, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers, refiners, importers and exporters of and dealers in all kinds of oil and emulsions, solvents, soaps, etc. Abraham Sells and William G. Pearson, directors. R.O.: 12 Devonshire Row, London, E.C.2.

NORTHERN DISINFECTANT CO., LTD. (P.C.).—Registered in Edinburgh. Capital £2,000. To carry on the business of manufacturing chemists and disinfectant manufacturers, etc. Subscribers' address: 137 St. Vincent Street, Glasgow. First directors are to be appointed.

CLUNY (SAVON), LTD. (P.C.).—Capital £1,500. To carry on the business of manufacturers of and dealers in cosmetics, toilet preparations and soaps, perfumes, etc. Charles E. Carter and Albert C. Horstman, directors. R.O.: 10 Albemarle Street, London, W.1.

E. M. MELLOR, LTD. (P.C.).—Capital £10,000. To carry on the business of chemists and druggists, opticians, dealers in oils, etc. Ernest M. Mellor, M.P.S., Mabel L. Mellor and James A. Finnikin, M.P.S., directors. R.O.: 32 Market Place, Uttoxeter.

Company News

R. C. TREATT & CO., LTD.—Mr. T. R. Cordrey has been appointed a director. Mr. Cordrey has been with the company for thirty years.

DUBARRY PERFUMERY CO., LTD.—A final dividend of 20 per cent. is recommended, making 35 per cent. for 1948, against 40 per cent. in the previous year.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—Mr. J. H. Wadsworth, one of the company's directors in charge of overseas interests, has retired from the board on attaining the age of sixty-two.

Voluntary Liquidation.—ASHLEY & WEEKS, LTD., manufacturing chemists, Mitcham Road, London, S.W.17. A meeting of creditors was held recently. Statement showed liabilities amounting to £14,631, of which £11,286 was due trade creditors; £1,027 to the bank; and £2,317 in respect of cash claims. After allowing £1,719 for preferential claims and £2,000 for loans on debentures there remained net assets of £8,713, or a deficiency as regarded the creditors of £5,918. The principal assets were: Book debts, £2,531; stock in trade, £5,776; machinery and plant, £1,632; fixtures, fittings and office furniture, £1,220; and surplus from securities, £1,056. The company was registered in September 1941, with an authorised capital of £100 which was increased in 1946 to £10,000 and of which £5,568 had been issued. A resolution was passed confirming the voluntary liquidation of the company with Mr. G. G. P. Goldney (A. C. Palmer & Co., chartered accountants) and Mr. J. T. Corbett as joint liquidators, together with a committee of inspection. It was stated that cash claims for £844 and £373 respectively would be withdrawn.

SURGICAL DRESSINGS PRICES

Concluded from THE CHEMIST AND DRUGGIST, *April 2, p. 427.*

PICRIC LINT.

16-oz. packet, doubly wrapped ...	7s. 4d.

EUFLAVINE LINT, B.P.C.

16-oz. packet, doubly wrapped ...	7s. 6d.

CELLULOSE WADDING, B.P.C.

	per. lb.
1-lb. packet	1s. 4d.

CELLULOSE TISSUE, B.P.C.

1-lb. packet	2s. 4d.

GAUZE AND COTTON TISSUE, B.P.C.

	per doz.
16-oz. packet	50s. 5d.
8-oz. packet	26s. 2d.
4-oz. packet	13s. 9d.
2-oz. packet	7s. 3d.
1-oz. packet	4s. 0d.

GAUZE TISSUE, hospital quality.

	per lb.
16-oz. packet	3s. 4d.

ABSORBENT GAUZE, B.P.C., 36 in.

	per. doz. pkts.
Plain Sterilised.	
6-yd. packet	22s. 1d.
3-yd. packet	11s. 7d.
1-yd. packet	4s. 9d.
½-yd. packet	2s. 11d.
¼-yd. packet	2s. 0d.
Boric Acid, B.P.C.	
½-yd. packet	2s. 10d.
¼-yd. packet	2s. 0d.
Mercury and Zinc Cyanide, B.P.C.	
½-yd. packet	3s. 1d.
¼-yd. packet	2s. 0d.
Iodoform, 5 per cent., B.P.C.	
½-yd. packet	3s. 6d.
¼-oz. packet	2s. 4d.
Picric, B.P.C.	
½-yd. packet	3s. 4d.
¼-yd. packet	2s. 3d.

ABSORBENT GAUZE, hospital quality, 36 in.

6-yd. wrapped packet ...	18s. 3d. per 100 yd. or 13s. 2d. doz. pkt.
6-yd. unwrapped rolls ...	17s. 11d. per 100 yd. or 12s. 11d. doz. rolls
3-yd. unwrapped rolls ...	18s. 6d. per 100 yd.

FAST-EDGE RIBBON GAUZE, B.P.C.

Plain.

	6 yd.	12 yd.
½in.	2s. 3d.	4s. 5d.
1 in.	3s. 4d.	6s. 8d.
1½in.	4s. 7d.	8s. 11d.
2 in.	5s. 9d.	11s. 3d.
2½in.	7s. 2d.	14s. 2d.
3 in.	8s. 7d.	17s. 0d.
4 in.	10s. 9d.	21s. 2d.

FAST-EDGE RIBBON GAUZE, B.P.C.

Iodoform

Wrapped in packets of one doz.

	6 yd.	12 y
½in.	4s. 5d.	8s.
1 in.	6s. 1d.	11s.
1½in.	8s. 0d.	14s.
2 in.	10s. 4d.	17s.
2½in.	12s. 11d.	23s.
3 in.	15s. 9d.	27s.
4 in.	18s. 6d.	31s.

FOLDED RIBBON GAUZE, B.P.C.

6-yd. rolls, in packets of one doz.

	per d
½ in.	2s.
1 in.	3s.
2 in.	6s.
3 in.	8s.
4 in.	11s. 1

12-yd. rolls, in packets of one doz.

½ in.	3s.
1 in.	6s.
2 in.	12s.
3 in.	16s.
4 in.	23s.

100-yd. rolls, individually wrapped.

	per r
½ in.	2d.
1 in.	3s. 11
2 in.	7s.
3 in.	10s. 10
4 in.	15s. 2

STANDARD DRESSINGS, B.P.C.

	per gr
No. 1 (N.H.S.)	65s.
No. 2 (N.H.S.)	132s.
Factories	
No. 7 finger	21s.
No. 8 medium wound	37s.
No. 9 large wound	62s.
No. 10 finger burn	23s.
No. 11 medium burn	39s.
No. 12 large burn	65s.
Mines	
No. 13 small wound	50s.
No. 14 medium wound	69s.
No. 15 large wound	105s.
Cotton Wool, ½-oz., sterilised.	
In packets	26s.
In cartons	28s.
Eye-pad with Bandage, sterilised.	
In cartons	44s.

***C. & D.'s* of the Seventies.**—Mr. F. A. Edwards, 21 High Street, Leominste invites offers for a considerable number issues of THE CHEMIST AND DRUGGIS from 1869 onwards.

HOW TO SPEED UP N.H.S. PRICING

ss D. Murgatroyd, M.P.S. (South-tern Pricing Office) gave a lecture en-ed "N.H.S. Pricing" to members of Hendon and Edgware Branch of the armaceutical Society on March 28. Her marks are summarised below:—

Under the National Health Service the cing Offices (which, with one exception, those that operated under National alth Insurance) are administered cen-lly by the Joint Pricing Committee for gland. When initial difficulties have n ironed out, the advantages of working a uniform system will become increas-gly apparent.

The first week of each month, when ne 2,500 parcels of prescriptions, most them registered, are received at the cing office, is a period of great activity. n the third day in January, for example, ety-six mail bags, each filled with pre-iption parcels, were delivered at the uth-eastern office. Among the difficul-s that contribute to delay in payment contractors is that forms E.C.34 rt A) and E.C.38 are frequently missing m parcels or incorrectly filled in. ilure to submit form E.C.38 in time y mean that the Executive Council is able to make the interim payment.

S" Bundles

Errors are being made with the "S" ndle (sorted for special fees). Prescrip-ns for Fourth Schedule poisons, for ex-ple, should not be included in the ndle unless the value is over 2s. 6d. me contractors have been including scription forms in the bundle if the al value of the prescriptions on the m amounts to 2s. 6d., whereas only those which one prescription is of that value ould be included. Difficulties have also isen where pharmacists have claimed temporaneous dispensing fees on, and cluded in "S" bundles, as many as veral hundred "average" ointments and xtures dispensed.

To ensure proper payment for fittings r use with oxygen cylinders, pharmacists ould inform the Executive Council when e fittings are retained for longer than urteen days. No further notification ed be made to the Council until the tings are returned. When the doctor ders gas in litres or gallons the chemist ould endorse the prescription with the e of the cylinder supplied. Recently, r example, the office received a prescrip-tion for 40 litres of oxygen. That re-presented ¼ cu. ft. whereas a cylinder of 40 cu. ft. was required and dispensed.

"Broken" Packs

Clause 15 of the Regulations (which provides for payment for an original pack if a doctor prescribes a different quantity) causes difficulties. It is important to note that the clause refers only to proprietary medicines. A claim (which should be a clear statement, and not, for example, a note "2s. 6d. size") should be made on the prescription by the chemist, and, in the words of the clause "should be rea-sonable."

Much help can be given to the pricers if the formulas of unusual preparations (e.g., Eau de Jordan) are noted on the back of the scripts. The introduction of the National Formulary in May, will, it is hoped, help to solve this problem.

Repeat Mixtures

Although doctors are prohibited from ordering repeat prescriptions, repeats are sometimes received. Chemists who dis-pense them must state on the prescription that they have done so in order to be paid for the extra quantity.

Unusual doses (e.g., one drachm of tincture of belladonna for encephalitic Parkinsonism) cause delay as they are queried by pricing clerks, while a pre-scription for, say, tab. stilbœstrol 100 mgm., if received with no indication of the maker's name, requires reference to be made to the chemist, with consequent delay in payment. On prescriptions for vaccines and sera the name of the maker of the preparation must be marked owing to the different prices charged by different makers. When prescriptions for pro-prietary medicines are dispensed, pharma-cists can help pricers by marking on the script exactly what was supplied (e.g., ten 2-c.c. ampoules from boxes of six). The price is seldom needed. Similarly, full details should be noted on prescriptions for insulin.

Pricing-office staffs, who have made a tremendous effort to deal with the unpre-cedented increase in the number of pre-scriptions, dislike more than anything else being in arrears, and are as anxious to make prompt payment as contractors are to receive it. The training of pricing staff is, however, a long task, and mean-while a heavy load has had to be carried by the senior members.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive of the N.P.U. and directors of the Chemists' Defence Association took place in London on March 23, Mr. G. H. M. Graham in the chair.

Western Division By-election

Voting in the by-election in the Western Division (area 3), to fill a vacancy on the Executive caused by the retirement of Mr. H. H. Marshall, resulted in Mr. L. H. Teare, Smethwick, being returned by 206 votes, a majority of sixty-two over his opponent (Mr G. W. Sherwin, Stoke). Mr. Teare was declared elected.

Dinner to Mr. Mallinson

Following the meetings on March 22, a complimentary dinner was given by the Executive in honour of Mr. G. A. Mallinson, O.B.E., upon his retirement as secretary and manager of the National Pharmaceutical Union and its allied organisations. The function was attended by Mr. and Mrs. Mallinson, by past-chairmen and present members of the Executive, officers of the N.P.U., the representatives of the Company Chemists' Association and of the Co-operative Union upon the Central N.H.S. Committee, and their ladies. Tributes to Mr. Mallinson's work were paid by MESSRS. A. R. MELHUISH, S. J. STEARN and H. J. MARTIN and all present joined enthusiastically in both THE CHAIRMAN'S expression of the high regard in which Mr. Mallinson is held throughout British pharmacy and his sincere wishes for Mr. and Mrs. Mallinson's future health and happiness. At the meetings of the N.P.U. Executive, the Central N.H.S. Committee and of the executive bodies of the allied organisations, members expressed their thanks to Mr. Mallinson and extended an open invitation to him to attend future meetings as occasion offered. MESSRS. SPARSHOTT and STOKES (Company Chemists' Association) and MR. P. DOBSON (Co-operative Union) associated themselves in felicitous terms with the tributes paid to Mr. Mallinson. In returning thanks, MR. MALLINSON said that he had been greatly assisted in his work, not only by a loyal staff, but by the consistent support he had received at all times from members of the Executive and other committees; without that support the achievements of the N.P.U. organisations would not have been possible.

War Distress Fund

A report was received on grants, totalling £4,150, made or authorised by the War Distress Fund Committee since April 1948. The Committee proposed to approach the Charity Commissioners for approval of a proposed extension of the objects of the Fund to enable claims for assistance of distressed proprietor pharmacists (or their widows) to be dealt with whether or not the distress was attributable directly or indirectly to war conditions. It seemed possible that after all current and contingent claims under the original objects of the Fund had been dealt with, a balance of £12,000 might be available for meeting claims under the proposed widened objects. The Executive Committee approved the action proposed.

National Health Service

The report of the Central N.H.S. Committee was adopted. It was agreed to discuss further with the Ministry of Health proposed regulations to control the advertising of N.H.S. pharmaceutical services whether in the pharmacy or away from the premises. Representatives of the Company Chemists' Association and of the Co-operative Union indicated that the extent of control proposed by the Ministry was not acceptable to them. It was reported that the Ministry of Health had agreed that, whenever payment was disallowed for a non-scheduled appliance supplied on an N.H.S. prescription, the Pricing Bureau should return the prescription to the contractor concerned. Following correspondence with the Ministry of Health, it was agreed to ask Pharmaceutical Committees for information of any undue delays in completing payments to contractors caused by Executive Councils waiting for formal authority for payment from the appropriate Finance Committee. Following complaints of non-payment of the "payment on account," it was agreed that contractors should be reminded that Form E.C.38 as well as Form E.C. 34 Part A must be completed and sent to the Pricing Bureau with the month's prescription forms. Non-receipt of Form E.C.38 by the Pricing Bureau would be treated as waiving the claim for a payment on account.

The Committee received and approved a report on steps being taken by Pharmaceutical Committees, at the instance of

e Central N.H.S. Committee, to secure ntractors' signatures to mandate forms thorising deductions from N.H.S. re-uneration to cover Pharmaceutical Com-ttee expenses.

Representations had been received from number of Pharmaceutical Committees ging a change in the Regulations to ntrol the circumstances in which appli-tions for inclusion in the pharmaceutical t for the supply of drugs and appliances could be made. It was agreed to make the necessary representations to the Min-istry of Health.

Question was raised on the dispensing of prescriptions for Service personnel on leave; the issue of prescriptions to such persons on E.C.10 forms instead of on the special forms now in use would simplify matters for the contractor and it was agreed that the Ministry be approached to that end.

BOTANICAL DRUG IMPORT MERCHANTS

HE annual meeting of the Botanical Drug nport Merchants' Section of the London hamber of Commerce was held on March , Mr. J. Flach (chairman) presiding. he following is abstracted from a report the Section's work during the year.

Following the discussions which repre-ntatives of the Section had with officials the Bank of England in 1947 the ction was informed that the revival of e entrepôt and re-export trade in botani-l drugs had been considered by the oard of Trade, which took the view that is could best be achieved by an extension the open general licence system, but, in bruary 1948, representatives of the Section et an official of the Import Licensing epartment and discussed the Depart-ent's tentative proposals prepared on at basis. The matter would require rther discussions between the Import censing Department, the Treasury and e Bank of England. The Section would consulted before a final decision was ached. Later the Section was informed at the Treasury objected to the sale to ft-currency countries of drugs costing rd currencies as it would, in its opinion, ad to a serious loss of dollars without, om the exchange point of view, any equate return. The Section was asked hether from the importers' side it would an acceptable and workable proposal at all drugs imported under the scheme hich had been bought for dollars should sold only for dollars. The Import censing Department was informed that ch a proposal would not be practicable cause the exchange regulations in many untries precluded the payment of dollars British concerns. The Section reiterated opinion that its original proposal for e import of all drugs on open general ence would not entail a serious loss of llars, but, on the contrary, would result a net gain of hard currencies.

Representatives of the Section had discussed with officials of the Import Licensing Department the desirability of resuming the import of several botanical drugs from hard-currency countries. After lengthy correspondence and further inter-views, the Section had succeeded in secur-ing consent to the import of agreed quantities of black cohosh, black haw bark, grindelia, hydrastis and leptandra root on a quota basis during the period ending December 31, 1948. In addition, arrange-ments were made for agreed quantities of gelsemium root, lobelia herb, podophyllum (*peltatum*), slippery elm bark, wild cherry bark and extract of hamamelis to be im-ported on a quota basis during the same period. Discussions between representatives of the Section and officials of the Ministry of Health had resulted in the Ministry agreeing to import during the period end-ing December 31, 1949, agreed quantities of cocillana bark, witch hazel leaves, gel-semium root, lobelia, slippery elm bark, wild cherry bark and extract of hamamelis. American podophyllum was deleted from the 1949 programme as supplies of *P. emodi* were available from India.

Mr. J. Flach was re-elected *Chairman,* and Major N. A. Johns, *Vice-chairman,* for the ensuing year.

PURCHASE TAX UNCHANGED

IN his Budget speech on April 6, the CHANCELLOR OF THE EXCHEQUER (Sir Stafford Cripps) announced that there would be no change in the purchase tax. He appreciated the problem of retail stocks and would do his best to work out this year some means of meeting the difficulty and of getting rid of or diminishing what-ever hold-up in trade in the articles sub-ject to purchase tax could be attributed to changes in the tax.

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INFORMATION WANTED

The Editor would appreciate informatio about suppliers of the following items:

Nedsol inhaler
Tintofen-X
Chrysamykine
Zytocin
Palmatine night lights

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OL. CLI APRIL 9, 1949 No. 3607

Pharmaceutical Service Costs

will hardly have escaped the notice of harmacists that the estimated cost of the harmaceutical services in the new financial year is put at £19 millions, against 21,633 millions in the previous twelve onths. Since the figure of £21.6 millions based on nine months' actual cost it ight have been expected that the 1949-50 timate would have been fairly close to at figure, or certainly no lower, for the timates of the hospitals, general medical nd dental services are all higher (£177.5 gainst £172.8 millions; £40.4 against 39.7 millions; and £28.2 against £25.3 illions respectively). Only the ophthalmic rvice (£12.4 against £18 millions) shares ith the pharmaceutical the distinction of lower estimated cost. But though the ason given (the belief that a large part last year's demand was non-recurring) readily understood and appreciated so r as the ophthalmic service is concerned in view of the reduced fee payable to phthalmic medical practitioners based on re-estimate of the average time taken in rrying out a sight test—it is less explicble when applied to pharmacy. Thereas not, in July 1948, a sudden and unstained "rush" of prescription work that etokened a non-recurrent use of the pharaceutical services and, indeed, epidemics nd seasonal demand apart, there is ttle in the pharmaceutical services that comparable to acquiring a pair of specacles in being, as it were, a "capital" ather than a "consumer transaction." Nor have any representations been made, so far as we are aware, to the pharmaceutical contractors under the N.H.S. scheme suggesting that chemists were receiving too much for their services. That argument would certainly be difficult to sustain. It is true that negotiations are in progress to modify in some way the present arrangements for the supply of containers, and until they are concluded nobody knows what cost to the Exchequer is involved. Apart from that, the reduced estimate must remain something of a mystery.

Pressure Cooking and Vitamin C

THE past year has seen a great increase in the number of British kitchens equipped with pressure cookers, and chemists may be called upon for advice on the effect of this method of cooking on the vitamin content of vegetables. Experiments carried out recently at King's College of Household and Social Science, University of London, are reported on by Chappell and Hamilton in the "British Medical Journal" (April 2, p. 574). Equivalent amounts of a series of vegetables were cooked (a) in a popular make of pressure cooker and according to the directions supplied by the manufacturer; and (b) in a saucepan, using the method advocated by the Ministry of Food (i.e., bringing a small volume of water to the boil before adding the vegetable, and cooking for the minimal time). The vitamin C content of each sample was estimated before and after cooking, and the residual cooking water was also assayed. Over all the experiments, the average retention was 66 per cent. in pressure cooking against 58.5 per cent. in saucepan cooking. There was greater loss of vitamin C into cooking water in the saucepan than in the pressure cooker, but the total amount of vitamin C in cooked vegetable plus cooking water was, on average, almost identical in the two methods (about 79 per cent.). The authors conclude that, in the home, the retention of vitamin C in pressure cooking is likely to be no worse, and will probably be better, than in a saucepan and they see no reason, from their present series of experiments, for discouraging the use of pressure cooking methods.

Atmospheric Disinfection

A COMMITTEE appointed by the Medical Research Council to investigate air hygiene recently issued its report (M.R.C. Special Report, No. 262), which is rightly described by the Council as a "landmark" in the study of the subject. In its 350 pages the report deals with four aspects of the problem—methods of sampling air for bacteria, and of testing the efficiency of air disinfectants; methods of disinfecting air; measurement of the contamination of air in hospitals, operating theatres, factories, etc.; and the transmission of airborne infection.

The air-disinfecting methods examined included rapid passage of the air through small furnaces, ultra-violet radiation, and the use of chemical disinfectants (the last-named method being suitable for more general use because of the simplicity of the apparatus needed). The high efficiency of the α-hydroxyacids as air disinfectants are emphasised. Of that group lactic acid is known to be non-toxic to man when absorbed, but suffers from the disadvantage that, if present in concentrations much greater than that needed for disinfection (110 μgm. per cu. ft.), it causes coughing and irritation of the respiratory tract. When evaporated at 100° C. it is odourless. The disubstituted glycollic acids tested were more stable to heat than the monosubstituted compounds and were therefore easier to vaporise efficiently. Certain disubstituted acids, and particularly α-hydroxy-α-methylbutyric, had the practical advantage of evaporating at room temperatures to give an effective bactericidal concentration. The disubstituted acids are not commercially marketed at present, but it is to be noted that the intermediates of most of them (acetone, methyl ethyl ketone, and cyclohexanone) are cheap and readily available. For the small-scale use of hypochlorites and other disinfectants the report illustrates a simple hand spray.

The methods of measuring contamination described will be useful in enabling the ventilation of rooms to be based on a bacterial count rather than on the "subjective test of body odour."

Trade with Egypt

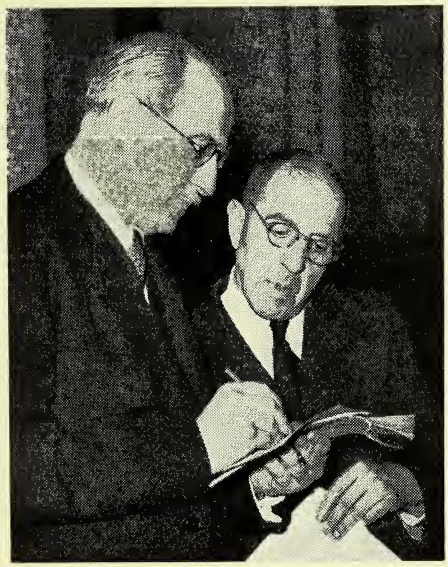
AN Anglo-Egyptian financial agreen was signed in Cairo on March 31, a prolonged negotiations that have indica that the Egyptians can drive a hard gain. The total of Egypt's immobil sterling to be released during 1949 amount to £30 millions. In addit Britain has undertaken to sell to Eg against sterling 5 millions of United St dollars "to enable Egypt to make paym in hard currencies for current transactio It is assumed that, unless conditions both countries change greatly, Britain's ports to Egypt in the current year will at least £47 millions against £33 milli (c.i.f. values) in 1948. The British chem trade will, without doubt, furnish Eg with increased quantities of chemical p ducts as a result of the agreement. Egyptian market has assumed great portance during the past few years. 1948 the value of Egypt's imports of c micals from Britain was double that 1947, totalling £3 millions. Imports British proprietary medicines rose fr £147,902 in 1947 to £295,726 in 19 and of other medicines from £483,874 £662,807, while imports of toilets and c metics rose in the same periods fr £142,392 to £153,546. The figures gi for imports of chemicals, etc., are in st ling, and are f.o.b. values.

Customs Decision on Bed-pan

THE Commissioners of Customs and cise have informed us that, as an outco of protracted discussions with the manuf turers of india-rubber bed-pans, they h decided that henceforth all bed-pans the air-cushion type are to be free of t It will be recalled that an anomaly p viously existed to which we drew attent in these columns (*C. & D.*, March 12, 337). At that time, an inflatable rub bed-pan was taxed at 66⅔ per cent. if was capable of being used as a cushi Now it becomes tax-free whether or it is capable of being used in that w The decision will be welcomed as removi an irritating little hindrance to freedom trading which can hardly have been c fensible on the ground that it made a su stantial difference to revenue.

IEMICAL SOCIETY ANNIVERSARY LECTURES

osia on "The Chemistry of the y Elements" and "The Use of oactive Tracers in Chemistry," orga- by the Ministry of Supply and the nical Society, and presented in Oxford London, March 28 to April 1, were ded by scientific workers from in, America and Europe. The pro- ings in London coincided with the versary meet- of the Chemi- Society, at one which — the h annual meet- of the Society ROFESSOR SIR N HEILBRON, S., delivered e presidential ess. His sub- was the o acids, pep- s and purines. ecent work on rally occurring ogenous com- nds had shown, aid, similarities veen amino s, peptides, pur- and similar pounds that had iously escaped ce. There was analogy in re. 5 - amino rbamido-imina- was an inter- iate in the bac- ological synthe- of purines. It could be envisaged that ne compounds were formed in the cell n amino acids (ammonia) and carbon ide.



Professor F. A. Paneth (chairman at one of the sessions) with Sir Ian Heilbron, D.S.O., D.Sc., LL.D., F.R.S. (president of the Chemical Society).

opes in Chemistry

ROFESSOR G. HEVESY, U.S.A., who has pted an invitation to be the Society's aday lecturer for 1952, presided at the rnoon session on April 1. He said a nt increase in published work on radio- ve tracers was partly due to the atten- of many scientists formerly engaged war work being switched to tracers. roblems chemists were being asked to e included investigation of the consti- on of living matter, involving investiga- s into the origin of phosphorus in nts (whether from the soil or the fertiliser) and of calcium in milk (whether from the food of the cow or from skeletal deposits), and of the sulphur in the sulphur-containing proteins. Tracers alone could answer those problems. They had also a use in diagnosis, as in determining the number of red or white blood corpuscles in a body or an organ.

MR. S. ROWLANDS read a paper by himself and others on studies with radioactive penicillin to determine whether penicillin acted directly on bacteria or whether it deprived them of some necessary substance. The radioactive penicillin had been prepared by growing penicillium mould on a medium containing phenyl acetic acid labelled with ^{14}C, or, later, a ^{35}S - containing compound.

After being allowed to undergo fermentation for a period of four days the medium was extracted for penicillin. Using radioactive tracer technique, 0.002 international units of penicillin could be measured with an accuracy of ± 5 per cent., against 0.3 i.u., with an accuracy of ± 20 per cent., by biological methods. It had been shown that uptake of penicillin varies with the strain of organism, and experiments were continuing to determine the actual site at which the penicillin effected its action.

Further Possibilities

Observations on the absorption and excretion of penicillin on female cats indicated that the inactivity of penicillin by mouth was probably due to low absorption—a mechanical effect. With tracer absorption and chromatographic technique it might be possible to fix the place of breakdown of the penicillin molecule within the animal system.

Tracers in Antisera

In a paper on the use of radioactive tracers in problems of antisera, Mr. F. D. S. Butement (Atomic Energy Research Establishment) said methods of assaying antisera hitherto consisted of finding the weakest antiserum that would make particular bacteria agglutinate. There had been no absolute method of measuring the amount of antisera globulin present, but by the use of radioisotopes that could now be achieved. The area occupied by a globulin molecule could be calculated, It had proved to be about 6,000 A^2—a figure compatible with the results by ultracentrifuge methods. The results suggested that the increased size of the flagellæ of a bacterium on agglutination was caused by the globulin molecules being packed edgewise — a phenomenon that corroborated ultra-microscopic observations.

Mr. F. P. W. Winteringham (of the Pest Infestation Laboratory, Slough) described how labelled methyl bromide was being used in studies of the fate of meth bromide fumigant in treated food produc and in insects, using autoradiograph technique.

At the symposium at Oxford, Mr. W. Arrol (Atomic Energy Research, former of the School of Pharmacy, University London) spoke on the microsynthesis some ^{14}C-labelled compounds. To prepa compounds of the highest possible speci activity it was necessary to work on scale of a millimole or less. Barium ca bonate containing about 4 per cent. is topic abundance of ^{14}C was usually t starting material. He described how 10-: micromoles of radio-carbon dioxide cou be converted into acetylene, ethylen ethyl iodide and ethylmagnesium iodide. was possible to scale down many organ reactions to the required degree witho loss of yield. Physical and chemic methods of separation and analysis organic gases and vapours could often applied on the scale of the experiments.

ANALGESICS ON TRIAL

In endeavours to produce an analgesic specially suited to obstetric practice, workers at the Wellcome Physiological and Chemical Research Laboratories, the Wellcome Research Institution, Chelsea Polytechnic, and at a number of hospitals, have co-operated. The aim has been to find an analgesic compound with small respiratory depressant effect, few side reactions and adequate analgesic action. Ofner and other workers ("Nature," March 26, p. 479) have synthesised two new analogues of isoamidone, one of which (the piperidyl analogue, named 29C48) has been used successfully by Prescott and colleagues ("Lancet," February 26, p. 340) on human volunteers, while the other (6-piperidino-4:4-diphenyl-3-heptanone) has been shown, in preliminary animal trials, to be approximately twice as active as morphine analgesically, yet only equal to it as a respiratory depressant. In the trials on volunteers, six analgesic compounds were examined for depressant effect on respiration. Morphine, pethidine and amidone depressed the respiration much more than iso-amidone, Höchst 10582, and 29C48. Of all the compounds tested, 29C48 caused the least respiratory depression in man and the rabbit. Fewest side reactions were caused by 29C48, isoamidone, and Höchst 10582, although the doses chosen for the trials may not have been equi- analgesic with morphine, pethidine ar amidone. No side effects were observe after administering 12.5 mgm. 29C4 though a dose of 25 mgm. produced flus ing, sweating, a sensation of warmt dizziness and euphoria, but not so pr nounced as with morphine, pethidine ar amidone. Trials are in progress to see 29C48 has a place in obstetric analgesi

Trichlorethylene

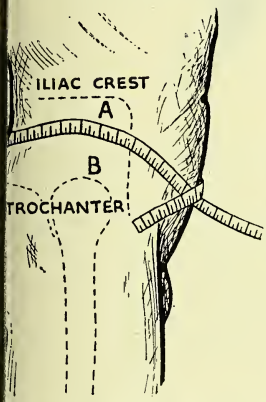
A call for further clinical trials of tr chlorethylene as an analgesic in labour made by Reynolds ("British Medic Journal," March 26, p. 537). He calls f trials "on a much wider" scale than tho which recently led the Royal College Obstetricians and Gynæcologists to rej the use of trichlorethylene by midwiv owing to the dangers inherent in the ty of apparatus used, and to the possibili of producing anæsthesia. Reynolds poin out that the lowest mortality rates mothers and babies occurred in tho groups to which trichlorethylene alo had been administered.

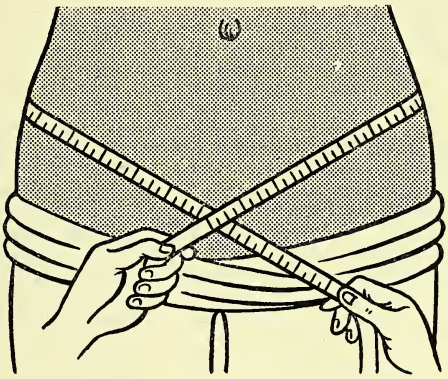
Control of Mosquitoes.—A memora dum on measures for the control of mo quito nuisances in Britain, original issued by the Ministry of Health in 194 and revised in 1942, has been reprinte with amendments.

TRUSSES AND THEIR FITTING

II. Measuring and Ordering

AVING recognised the type of hernia, reduced it and noted its strength and size, the fitter is ready neasure for and order the truss. With patient still lying prone, a tape sure is passed around the body (at pelvis, not the waist—an important nt, for a waist measurement is useless a truss, although so many people give hen ordering, leaving the supplier in unsatisfactory position of having to s a proportionate hip measurement which to make the truss).

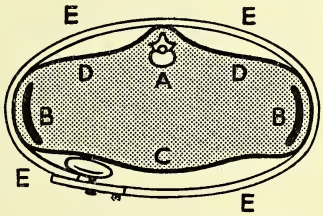


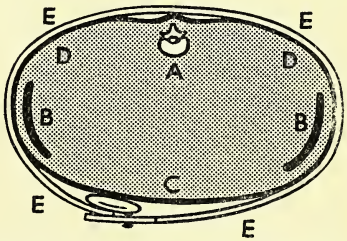


Figs. 4 and 5. Front and side views showing position of tape in measuring.

(a) Top edge of hip bones. (b) Hip-joints.

The tape should be placed round the ly so that it lies just above the buttocks the back, comes up very slightly at each e to midway between (a) the iliac crests d (b) the great trochanters, then slopes wn again from each side in front so that crosses at the pubis. The illustrations gs. 4 and 5) showing both a side and ront view of this will assist in following instructions, and a little practice will on bring accurate results. There are, wever, one or two pitfalls to be avoided measuring for a truss, chiefly in connection with an abnormal or submormally built patient. With the very stout person it pays to pull the tape round rather tightly and even to allow a little from the tape figures, otherwise the measurement obtained will be found to result in too big a truss, the tendency being for the steel spring to "bury" itself more than it does into more solid flesh. In fact, for such a patient a truss with a size an inch or even sometimes two inches less than the actual skin measurement may be provided without discomfort. With thin and bony people, however, the reverse is true. The measurement shown by the tape will be found too small, and at least an inch will need to be added to obtain a comfortable fit. The reason is that the truss spring is circular in shape, and allowance has to be made for that fact, whereas the course the tape has followed round the body is more or less angular, according to the condition of the patient. The accompanying sectional diagrams (Figs. 6 and 7) illustrate the point under discussion.

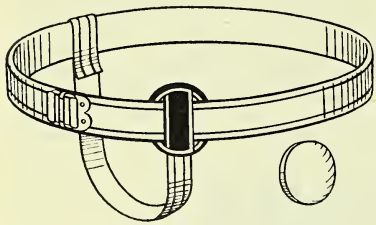


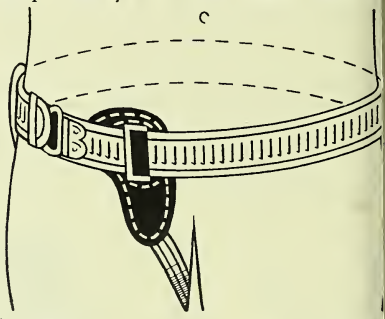


gs. 6 and 7. Cross-tions of trunks of n and stout patients h trusses in position.

It may be assumed with reasonable safety that trusses for body circumferences

from 35 in. to 41 in. may be accepted from the tape, measurements of 34 in. to 32 in. will need a truss an inch larger; and circumferences below that measurement will require an addition of two inches more than the tape shows. Measurements from 41 in. up to about 44 in. can usually have an inch deducted safely to give the size of truss to be fitted; circumferences above 44 in. should have 2 in. taken off the tape measurement. These considerations refer, of course, to adults, and not to young children and infants, who are as a rule well covered and rounded so that their natural measurement may be accepted. A special reference to children's trusses will be included at a later stage.





Fige 8 and 9. Elastic trusses.

Having taken the patient's measurements, the fitter is now in possession of all the necessary data to enable him to decide what kind of truss is best for the case: (a) kind of hernia; (b) size and strength of hernia; (c) body circumference. However, any other information the patient can provide about himself may be useful, such as the kind of work he does, if he has a regular bad cough, a tendency to constipation, etc. For if the patient is a heavy manual worker, such as a farm labourer, or is troubled with a cough, the truss called for is one with stronger spring than for the same hernia condition in a person following a more sedentary occupation.

The question now arises what kind of truss to order, and the reader may have noticed that, so far, whenever in these articles it has been necessary to refer to the appliance, a spring one has always been mentioned. The writer has no intention of taking sides in a "spring versus elastic" debate. He will merely enumerate, later, the virtues and shortcomings of both kinds, leaving the fitter to judge for himself which is the best for a particula case. Leaving aside any argument, let be said that there are uses and cases f which either appliance is satisfactory. the hernia is slight, an elastic truss is sa isfactory provided the patient is instructe to keep his eye on the elastic webbin and take up the slackness as the tensio eases (Figs. 8 and 9). Elastic trusse are also useful to sleep in. Some ove anxious patients like to wear an appl ance by night as well as by day, especiall if they have a night cough. When th hernia is at all severe a spring truss i the more dependable. One rule is mos certainly to be recommended — not t attempt to fit an elastic truss to a scrota hernia, for if this is done the applianc will almost certainly fail in its purpos and the patient will probably be back i the shop again within a very short tim with the hernia again down, perhap worse than it was in the first instanc

When ordering a truss from a supplie the fullest particulars should be given— first the size, then whether right, left o double, followed by the kind of pad o pads desired, the strength of spring, an any other peculiarity that must be take into consideration. A typical order fo a man with a double hernia and measur ing, say, 37 in. might read:—

> 1 x 37 in. double spring truss, right, larg scrotal, left ordinary inguinal, strong spring well padded for a bony person.

When the truss arrives, it should immedi ately be checked over to see that it i as ordered. Mistakes can happen, and i is most annoying to find, after arrange ments have been made for the patient t attend to be fitted, and perhaps even afte he has been made ready in the fitting room, that there is something wrong tha had not previously been noticed.

ting the Appliance

Assuming that the appliance has arrived d is correct, and that the patient is all epared and lying on his back, with her- reduced as when the measurement was ken, everything is in readiness for fitting appliance. It is most important that truss should always be applied when the tient is lying down, and the patient ould be told that that is so. It is not sy to explain how to put on a truss—it one of those operations that is easier demonstrate than to write down, but e following is a description, with explan- ons, of two methods the writer has ways found efficacious.

By the first method, the fitter stands at e left side of the couch or bed, holding truss in his left hand by the right d if it is a right or double truss and the right hand if it is a left truss (mak- g sure, of course, that it is the right y up). The patient is instructed to ch himself up on heels and shoulders, d the fitter then bends over him, passes e truss beneath from the near side, with e right hand reaches over and under the her side until the left pad, if a double uss, or the endstrap if a right one, can grasped. Drawing the hands apart ens the truss, and the fitter raises him- f away from his patient, pulling the uss with him until it encircles the body. he second method—to be recommended hen a double truss with a strong spring being fitted—necessitates lowering the ousers to about the knees, and placing e truss round each leg separately (from neath, of course) before telling the atient to arch his body as in the previous ethod, after which it is not a difficult atter to ease the spring open the small nount necessary to allow the truss to be sed up the thighs into position on the domen. The buttocks may prove an stacle to putting the truss on by this ethod, but they can be negotiated with- ut much difficulty by opening the truss st a little more at this point, when, with slight side-to-side rocking movement, ccompanied by a little extra thrust on the hole appliance towards the final position n the body, the truss slides successfully ver the patient's posterior into its proper osition. Putting the appliance on the atient in this way demands a little greater ffort but has the advantage of putting ss strain on the spring. This is especi- lly desirable with extra strong springs hat may sometimes be less well tempered than weaker examples and consequently more likely to snap if opened too much. Many truss wearers themselves adopt this method of putting on their appliances before rising from bed, starting right from the feet, and it is a good way to recommend to people for self-application, as it at least ensures that they are lying down when fitting the appliance.

Having placed the truss round the abdomen approximately at its position but a little higher, it should be left there for a moment or two while the fitter assures himself that the hernia has not come out again a little, which it may well have done during the effort of raising the body. If it has emerged it must be pushed back before proceeding to place the pad in position. If the truss is well made, with a correct curve and shape to the spring, the pad falls properly into place, as the truss is now put correctly round the hips. It should fit around the same line as the tape took when measuring, i.e., just below the iliac crests at the sides (as a guide to the patient in putting it on himself in the right position, he may be told that he should be able to feel the width of two fingers between the top edge of the truss band and the top of the hip bones).

Testing for Efficiency

Having settled the truss comfortably with the pad covering the hernial opening, the front strap (end strap in a single, cross-strap in a double truss) is fastened and the patient asked to cough. If the truss retains the hernia under this test, the patient is told to stand while the under-strap is unfastened. Unfastening the strap is more conveniently done if kept to the side of the band, rather than at the back. This is especially true of the scrotal tail-type of under-strap, which requires buckling and also to be kept clear of any risk of fouling when the wearer is at stool. Having fastened the understrap (just comfortably, not tightly) a final test is made, with the patient still standing, by asking him to cough again several times; if the hernia remains held, then the truss has been satisfactorily fitted.

New German Insecticide.—The Merck chemical works, Darmstadt (U.S. zone of Germany), is understood to have developed a new insecticide, Viton N, said to be odourless, effective against all insects, and to have no harmful effects on mammals.

SIMPLIFIED BOOK-KEEPING

By S. Howard Withey, F.Comm.A.

4. Providing for Depreciation

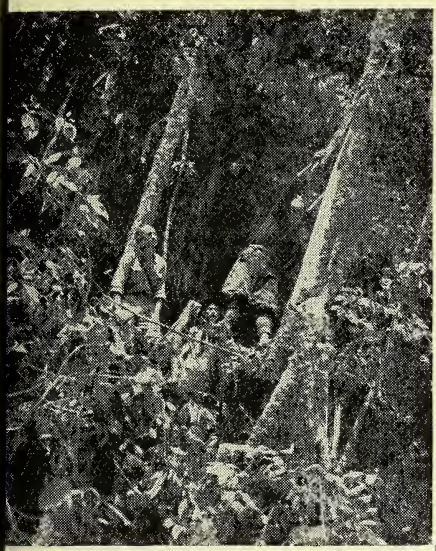
DURING recent years chemists have invested considerable capital in their businesses, and some maintain elaborate systems for grouping assets under definite headings for separate treatment. In compiling costs or drafting balance sheets, however, they do not always make provision for depreciation, with the result that the final figures are often misleading and bear little relation to the assets in physical (as distinct from monetary) terms. Physical deterioration due to wear and tear is one of the main causes, but not the only cause of depreciation. Technical developments may render obsolete individual assets or items of equipment, while changes may render it inadequate to maintain the necessary standard of efficiency. Although existing equipment may be of the highest standard, all of it will in time have to be replaced. It is therefore unwise to place valuations on business assets that bear no relation to the amount of unrecovered investment in respect of which the chemist will expect, sooner or later, to be reimbursed. The general position is admittedly aggravated by the steep rise that has occurred in replacement costs, but it is equally true that a diminished efficiency of profit-earning assets retards development, and the amounts charged against profits under the heading of depreciation should be as equitable as possible as between one year and another.

When the annual cost of repairs and upkeep is relatively low, and reasonably uniform in amount, an equal proportion of the original capital outlay may written off each year and debited to preciation account, and this should done in such a way that at the end a definite period the value standing the chemist's books is reduced to a re isable figure. If, however, maintenar costs show a definite tendency to expar with a gradual and inevitable decline the real value of the particular assets, becomes advisable to attempt to equal the combined charge for depreciation a upkeep so that the burden does not pr too heavily during any one accounti period. A London chemist wishing create a distinctive establishment recen spent £400 on shopfittings which he pects to be worth at least £200 at t end of three years. He estimated th repairs and renewals would cost him abo £20 during the first year; £35 durir the second year and about £50 in th third year, and it was decided to equali the total debit for depreciation and mai tenance by subjecting the asset accou to annual deductions of 20 per cent., base on the diminishing book value (see above

Items to be capitalised are readily co lected in the form of monthly or oth periodical totals for ledger-posting pu poses by using a pattern of purchas journal, or bought day book, obtainabl from stationers, with separate columns sections for the classification of acquis tions and installations. In addition to thes records an inventory of the entire equip ment should be maintained, preferabl divided so that it corresponds with th varying types.

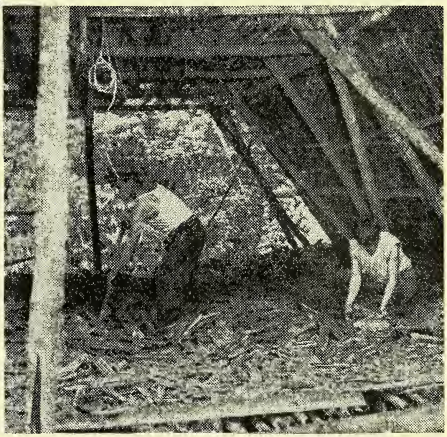
SHOPFITTINGS

Debit	£	*Cre*	£
1948		1949	
Dec. 31. To Balance, being capital cost, brought down	400	Dec. 31. By 20% Depreciation written off	
	£400	Dec. 31. By Balance carried down	3
1949			£4
Dec. 31. To Balance b/d.... ...	320	1950	
	£320	Dec. 31. By 20% Depreciation written off	
1950		Dec. 31. By Balance c/d.... ...	2
Dec. 31. To Balance b/d.... ...	256		£3
	£256	1951	
1951		Dec. 31. By 20% Depreciation written off	
Dec. 31. To Balance b/d.... ...	205	Dec. 31. By Balance c/d.... ...	2
	£205		£2



QUININE FROM ECUADOR

When Java fell into the hands of the Japanese during the 1939-45 war virtually the entire quinine resources of the world were lost to the Allies. Under the direction of Froelich Rainy, a scientist in the service of the State Department of the United States Government, several expeditions were sent into the barely accessible high rain forests of the Ecuadorian Andes, suffering intense hardships and losing one of their leaders, only to return unsuccessful. The search was, however, continued. Botanists, foresters, chemists, engineers and doctors made up a "Mission de Chinchona del Ecuador" sent by the U.S. Board of Economic Warfare. Mule tracks were built through previously impenetrable jungle forests to reach trees (singly or in clusters) located by scouts. Indians carried back the bark to the base laboratories where it was processed. By 1943 small amounts of Ecuadorian quinine were being produced.



1

Stripping the bark

2

"Tamping" the cinchona bark into sacks and (right) turning over the bark to ensure thorough contact with air during drying

3

Tying baskets of cinchona plantings

STOCK EXCHANGE PRICES

Quotations are the average for the days stated.

£1 unit unless otherwise stated	Feb. 28 1949	Mar. 30 1949
	s. d.	s. d.
Albright & Wilson, ord., 5s. ...	31 0	30 6
Allen & Hanburys, prefd. ord. 7% cum.	32 6	32 6
Amber Chemical, ord., 2s. ...	9 3	8 3
Amber Chemical, 5% cum. pref.	25 0	25 0
Ascotts Pharmacies, ord. stock, 5s.	8 9	5 0
Aspro, ord. stock, 5s.	26 3	26 3
Beecham Group, defd., 2s. 6d. ...	16 10½	15 6
Beecham Maclean Holdings 4% red. cum. pref.	21 3	20 7½
Boake, Roberts, ord., 5s. ...	32 3	32 3
Boots (Eastern) "A" pfd. 6% cum.	31 0	31 0
Boots (Northern) "A" pfd. 6% cum.	31 0	31 0
Boots (Western) "A" pfd. ord. (7% non-cum.)	37 3	37 3
Boots Pure Drug, ord., 5s. ...	54 6	52 0
Borax Consold., defd. ord. stock	55 7½	53 1½
British Alkaloids, ord., 1s. ...	6 6	5 6
British Chemicals & Biologicals, 4% cum. red. pref.	21 9	21 9
British Drug Houses, ord., 5s. ...	8 6	8 0
British Emulsifiers, 2s.	1 0	9
British Glues & Chemic., ord., 4s.	21 0	18 0
British Industrial Plastics, ord., 2s.	6 9	5 6
British Optical & Prec. Eng., 5%	96%	91%
British Oxygen Co., ord. stock ...	102 6	98 9
British Xylonite Co., ord. stock	115 0	100 0
Brotherton & Co., new ord. ...	-	20 6
Burt, Boulton & Haywood, ord.	28 9	27 6
Bush (W. J.), & Co., ord. ...	82 6	82 6
Camwal, ord.	21 10½	20 7½
Cooper, McD. & Robertson, ord.	36 10½	33 9
Cow & Gate, ord. stock, 1s. ...	2 9¾	2 7½
Cow, P. B., & Co., ord. stock, 4s.	13 0	5 1½
Crosfield, J., & Sons, 5% cum. pre-pref.	26 3	26 3
Cussons Sons & Co., ord stock, 2s.	16 0	14 0
Distillers, ord. stock, 4s.	28 1½	27 6
Dubarry Perfumery Co., ord., 1s.	4 7½	4 4½
Dunlop Rubber Co., ord. stock ...	73 3	66 9
Energen Foods Co., ord., 2s. ...	9 6	8 6
Eno Proprietaries, 5½% cum. pref.	25 0	24 4½
Eucryl, stock, 2s.	4 9	4 9
Evans Medical Supplies, ord. stock	43 1½	41 3
Field, J. C. & J., ord., 10s. ...	30 0	29 4½
Fisons, ord. stock	60 6	52 6
Fisons, 4½% cum. pref.	24 3	23 6
Galloway, P. H., ord., 2s. ...	4 6	4 0
Gillette Safety Razor Co. shares (no par value)	$46.50	$47.50
Glaxo Laboratories, ord. stock, 10s.	430 0	390 0
Glaxo Laboratories, 8% cum. prefd. ord. stock, 10s.	20 3¾	19 8¼
Gossage, W., & Sons, 5% 1st. cum. pref.	26 3	26 3
Greeff-Chemicals Holdgs., ord., 5s.	13 9	12 9
Griffiths Hughes Proprietaries, ord.	31 3	26 3
Hampshire, F. W., stock, 5s. ...	80 0	73 9
Horlicks, stock, 5s.	29 4½	28 9
Hovenden, R., & Sons, 7% cum. "A" pref.	26 9	26 9

£1 unit unless otherwise stated	Feb 28 1949	Mar. 1949
	s. d	s.
Idris, "A" ord.	38 0	38
Ilford, ord. stock, 5s.	29 4½	26 1
Imperial Chemical Industries, ord.	46 9	45
Imperial Chemical Industries, 7% cum. pref. stock	36 6	34
International Sponge Importers, ord. stock, 5s.	5 0	4
Kent, G. B., & Sons, 5% cum. ptpg. pref., 12s. 6d.	15 0	15
Kershaw, A., & Sons, ord., 1s. ...	1 4½	1
Kleeman, O. & M., ord. stock, 1s.	21 6	17
Laporte Chemicals, ord. stock ...	21 3	19
Lever Brothers & Unilever, ord.	47 6	45
Lewis & Burrows, ord. stock ...	30 0	30
Lewis & Peat, ord., 1s.	1 9	1
Liebig's Extract of Meat, ord., £5	270 0	270
Macleans, 4% red. cum. pref. ...	21 3	21
Mellin's Food, 6% cum. pref. ...	7 6	6
Milton Antiseptic, ord., 10s. ...	20 0	20
Mono Containers, 5s.	17 9¾	16
Monsanto Chemicals, ord., 5s. ...	60 0	57
Pears, A. & F., 5% deb. stock, irred.	132%	132%
Potter & Clarke, ord., 1s. ...	4 3	3
Reckitt & Sons, ord. stock ...	115 0	112 6
Rolls Razor, prefd. ord., 10s. ...	23 9	22
Sangers, ord. stock, 5s.	34 6	32
"Sanitas" Trust, ord., 10s. ...	26 3	26
Savory & Moore, 5½% 1st red. cum. pref. stock	23 0	23
Sherley, A. F., & Co., 8% cum. prefd. ord.	22 6	22
Smith & Nephew Associated Cos., ord., 4s.	19 0	18
South African Druggists, ord., 5s.	16 0	14
Southalls (Birmingham), stock, 5s.	40 0	42
Sternol, 8% cum. ptpg. prefd. ord., 10s.	15 7½	15 7
Stevenson & Howell, ord. stock, 5s.	25 0	25 0
Taylors, Cash Chemists, London, 6% cum. pref.	29 4½	28 9
Taylors, Cash Chemists, Trust, 6% cum. pref.	30 0	28 9
Taylors Drug Co., 7% "A" cum. pref.	32 6	32 6
United Glass Bottle, ord. stock ...	76 3	70 0
Veno Drug Co., 12% cum. prefd. ord.	39 4½	36 3
Virol, ord.	72 6	72 6
Viscose Development Co., ord. stock, 5s.	10 6	10 0
Vitamins, 1s.	5 0	4 7
Wesley, Harold, 5s.	16 10½	15 7
Whites (Timothy) & Taylors, ord., 5s.	38 9	35 0
Whites (Timothy) & Taylors, 7½% cum. pref.	38 9	37 6
Wright, Layman & Umney, 7% cum. pref.	31 9	31 9
Yardley & Co., ord., 4s.	57 6	57 6
Yardley & Co., 2nd pref. (cum.)	23 3	23 3

CORRESPONDENCE

A Stock Card for Pharmacists

SIR,—From time to time you publish rious business methods and I thought u might like a specimen of card (standrd 5 x 8 in.) which we devised as a ck-control, stocktaking system applicle to a "private" business. [The form the card is shown below.]

The modus operandi is as follows:—

Items are typed or inked in with the fullest particulars from P.A.T.A. list, etc. (e.g., No. of tablets in pack), and space is left after each item for the inclusion of new sizes, etc. The remaining details (e.g., Tax rate, cost, retail price, inclusive of tax) are filled in with pencil. The pencilled figures are altered immediately any change takes place.

Purchases are pencilled in when taken into stock, and form a guide when re-ordering.

Retail cost and tax cash columns are provided for stocktaking, together with a "units" column, and the figures are pencilled in, the totals being transferred to summary sheets to determine the total value of stock.

The system is of course open to criticism but it does provide sufficient information for this type of business, and does iminate a lot of reference to price lists hen stocktaking is being completed. In ddition, the cards provide information garding retail prices, etc., for assistants, nd can be used as a method of sales protion (for example, in explaining to stomers the actual saving in higher zes).

Seaham. A. FOSTER.

STOCK CARD LOCATION

Purchases M AMJ JAS OND	UN-ITS	R.P.	Item, Ref., Remarks	TX CDE	Cost	Bot	Retail	Cost	Tax

Two Points

SIR,—I would like to raise two points:) Certain speakers have recently stated at people are flocking for supplies of edicines under the National Health Service because they could not afford them efore July 5, 1948. Has so much waste ver been seen as the present ordering of rge quantities of lint, cotton wool and of edicines (frequently sixty-four or ninetyx doses of expensive medicines which the harmacist knows will not be taken by the atient)? (2) "Supplies officers" of hosital groups are being paid at much higher rates than pharmacists. What is the Pharmaceutical Society doing about this?

MIDDLE-AGED PHARMACIST.

Royal Photographic Society

SIR,—I hold most strongly that anyone connected with photography should feel a responsibility toward the Society which has done so much to foster all branches of photography and cinematography. With rising costs all round, and a subscription rate restricted by the provisions of the Companies Act, the Royal Photographic Society needs and deserves more support. Chemists and photographic dealers can play a vital part, first by supporting the Society personally, and secondly by making the facts known among their more serious customers. The many advantages of membership are set out in a brochure obtainable from the secretary of the Society at 16 Princes Gate, London, S.W.7.

London, S.W.7. F. L. PAIGE,
Royal Photographic Society.

FIFTY YEARS AGO

A Business Founded on 6s. 6d.

(*From the C. & D., April* 8, 1899)

IN November 1897 all that stood between starvation and myself was 6s. 6d. . . . Having nothing to lose, I took an empty shop at a rental of 6s. 6d. per week, the landlord allowing me two weeks' rent in lieu of cleaning. . . . My first anxiety was how to spend my 6s. 6d. in the best way. After mature deliberation, I bought in a neighbouring town (distance four miles) ½ doz. 8-oz. bottles, 2 oz. sweet nitre, 2 oz. sal volatile, 1 lb. petroleum jelly, 1 oz. ac. boric., ½ gross 1-oz. cut-down chips, 1 gross Blaud's pills, ½ lb. castor oil, ½ lb. cod-liver oil, ½ doz. strengthening plasters, and 3 oz. little liver-pills for 5s. 10½d. Armed with these I returned, calling on my way home for ¼ stone whiting, 1d. C.H. pencil, and 1d. white demy. . . . That night I took in prescribing 13s. . . . My takings in November 1897 were £7 . . . and my present average is £17 a week.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quai ties of standard quality. Prices of crude drugs and essential oils vary as to brand or gra

28 Essex Street, W.C.2, Apr. 6

In the home market, trade in Pharmaceuticals and Fine Chemicals has been slow. During the week under review Dextrose, B.P., and Powdered Glucose (Monohydrate) were advanced by threepence per lb.; the basic rates, for quantities under 1 cwt. in 28-lb. packages are now 1s. 4d. per lb. for the former product and 1s. 2¾d. for the monohydrate. The new prices came into operation on April 1. Prices of all grades of Zinc Oxide have been reduced by £4 per ton, with effect from April 4; pharmacopœial quality is now £106 15s. per ton. On export account, it is understood that, as a result of the Anglo-Egyptian financial agreement (see p. 466), there has been an increase already in demand from Egypt for fine chemical products and a number of substantial orders have been booked. The allocation system for Borax and Boric acid lapsed on April 1 and these products have, in general, reverted to ordinary trading conditions. The amount of borax available for the manufacture of Sodium perborate is, however, still limited. From May 1, the Board of Trade will be prepared to consider applications for import licences for borax and boric acid from any firm.

There are signs of an increase in export inquiry for Crude Drugs, etc., but the home market, generally, remains quiet. Cape Aloes is dearer on spot reflecting an increase in shipment quotations. There has been a good request for Canada balsam and spot holders are now asking 21s. per lb. Tolu balsam is easier on the spot. A moderate business has been done in Sumatra Benzoin block and the spot market continues firm. New-crop Buchu short rounds leaves are reported to be coming forward at 4s. per lb. There has been a fair inquiry for Ergot on the spot, of which supplies are very low: there is little disposition to buy Portuguese from origin, as prices continue high; it is thought that, as the new crop is not far ahead, any material available in the primary market at present will be of inferior quality. Ipecacuanha on the spot is steady. During the week a fair business has been done in high-testing Nicaraguan root which is now offered at 23s. 9d. to 24s. per lb., spot. At origin, ipecacuanha is slightly easier in tone. Merchants are still finding it difficult to obtain good-quality Rhubarb; many of the recently-landed parcels, although bought on guarantee, have been unsatisfactory. Senega, which has been a weak market for some months, is attracting rather more inquiry. India has been quoting for new-crop (July) Tinnevelly Sennas at prices well above those asked by spot holders. A fair trade is reported in the spot market during the last few days and a firmer tone is developing. In Sp markets there are very few offers Chillies and Ginger. Brazilian M thol continues firm on spot, and a g business has been done both on home-tr and export accounts. It is understood t supplies of menthol in bond are low.

Business in Essential Oils has b small and prices are little changed on week. Anise is, however, quoted cheap

U.S. Drug and Chemical Rep

New York, April

Trading in the Fine Chemicals a Drugs markets was quiet last week. T market was featured by the sharp red tion in Glycerin prices and cuts in m ers' rates for Tartrates, Streptomyc and Dihydrostreptomycin. The reducti in glycerin prices of approximately cents per lb. had been expected with creasing supplies and the introduction synthetic material on to the mark Competition which has developed in t trates, because of the increasing quantit of low-cost foreign material coming on the market, is given as the reason for ductions of two to three cents per lb. in t domestically-manufactured products. Ta taric acid is reduced from 37½ to 3 cents per lb.; Cream of tartar from 3 to 29½ cents.; Seidlitz powder from 2 to 25¾; Rochelle salt from 31½ to 2 cents.; and Tartar emetic (Technica from 49 to 46 cents. The upward mo ment of Pepper and Ginger was arrest somewhat last week, although relative small increases were recorded. Afric ginger No. 2 went up 2½ cents per lb. 24½-27½ cents.; black pepper advanced cents per lb. to 95 cents nominal, and whi pepper was higher by 10 cents per lb. $1.15-1.20 per lb. nominal. There has be little interest in Spanish Saffron and t week saw a decline of $3.50 per lb. in t quotation to $19-20 per lb. Little dema was in evidence for numerous items, i cluding Jalap, Sarsaparilla root, Rh barb and Vanilla beans. Buyers a sellers here appear to be awaiting develo ments in Madagascar as regards futu prices of vanilla. The "Journal of Co merce" states that some reports fro Brazil indicate that serious thought is bei given towards restrictions that would vi tually prohibit the exportation of chall Carnauba wax. Demand for Essenti Oils was generally slow last week, thoug a few items were reported scarce, includi Bergamot, Cardamom and Geranium oi amongst them. Geranium oil was advance by 70 cents per lb. to $10.75, in keepi with a generally firmer tone in Frenc floral oils. A good inquiry is reported f Citrus oils from flavouring manufacturer

Pharmaceutical Chemicals

AMMONIUM CHLORIDE, B.P. — Steady. kers quote 1-cwt. lots at 9½d. per lb.

ARECOLINE HYDROBROMIDE.—Quotations from 44s. 9d. per oz.

ASPIRIN. — Home-trade prices are unnged. Makers' quotation for POWDER 3s. 5½d. per lb. in 10-cwt. lots and 3s. 7d. lb. in 1-cwt. lots. Scheduled rates per for quantities of 28 lb. and under 1 cwt. : 4s. 6d. (1-lb. containers); 4s. 5d. lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-lb.); 3d. (14-lb.); 4s. 2d. (28-lb.). Net one nth. Rates per 1,000 for bulk supplies TABLETS are: Under 5,000, 3s. 9d.; 00 and over, 3s. 7d.; 10,000, 3s. 6d.; ,000, 3s. 4d.; 50,000, 3s. 3d.; 100,000, 2d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.; 00,000, 3s.

BARBITONE.—Base and soluble are offered prices from 42s. 6d. to 46s. per lb.

BORAX.—Makers' current prices are: P. quality, granulated, £38 per ton; stal, £39; powder, £39 10s. Commercial ides £8 per ton less. Packed in 1-cwt. gs delivered carriage paid in Great Brit- in 1-ton lots and upwards. Terms oted do not apply to Northern Ireland.

BUTYL CHLORAL HYDRATE. — In good pply; prices are from 17s. 6d. per lb.

CAFFEINE.—Makers' prices per lb. (from ril 1) are: ALKALOID, anhydrous, from s. 6d. to 38s. 6d., and B.P., from 31s. 6d. 36s. 6d.; CITRATE, B.P.C., from 18s. 6d. 23s. 6d.; SODIUM BENZOATE, B.P., from s. to 26s.; SODIUM SALICYLATE, B.P.C., m 21s. 9d. to 26s. 9d.; SODIUM IODIDE, m 25s. 6d. to 29s. 6d. Assorted orders y be booked, with the exception of ffeine and sodium iodide (theobromine kaloid and salts may be included). Coniners: 14-lb. and 28-lb. tins, free; other ckages charged extra. Carriage paid on ders of £20 value and over.

CHLORAL HYDRATE.—Current rates per . for the home trade are: 1-cwt. lots, .; 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

CHOLESTEROL.—Prices are from 125s. er kilo for semi-refined and from 137s. 6d. wards for recrystallised material.

MAGNESIUM TRISILICATE (B.P.).—Prices er lb.) in the home trade are unchanged. ontainers in brackets. 28 lb. to 1 cwt., s. 4d. (1-lb.); 4s. 3d. (2-lb.); 4s. 2½d. 4-lb.); 4s. 1½d. (7-lb.); 4s. 1d. (14-lb.); s. (28-lb.) per lb. Larger quantities range om 3s. 2d. to 3s. 4d. per lb. in 28-lb. ackages, carriage paid.

MANDELIC ACID.—Steady. Current prices re: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

PANCREATIN.—Price of B.P. material is om 13s. 6d. to 16s. 6d. per lb., according quantity.

PEPTONE. — Importers' quotations are rom 13s. to 15s. per lb., as to quantity.

PHENOBARBITONE. — In good request. Home-trade prices are unchanged at from 35s. per lb. upwards, according to quantity.

QUININE.—Steady. Makers' rates (per oz.) to home-trade distributors are given below; additional charges must be added for repacking, etc. ALKALOID, from 5s. to 5s. 6d.; ACETYLSALICYLATE, 6s. to 6s. 6d.; BISULPHATE, 3s. 7d. to 4s. 1d.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 4s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 6s. 3d.; GLYCEROPHOSPHATE and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDROCHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. to 4s. 6d.; QUININE AND UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

RESORCIN.—Current prices range from 11s. 6d. to 12s. 6d. per lb., according to quantity.

ROCHELLE SALT.—Rates per cwt. for powder or granular salt are: 5 cwt., 130s.; 1 cwt., 132s. 6d. Crystal is 2s. 6d. per cwt. more than the foregoing prices. SEIDLITZ POWDER, ordinary, is now 103s. 9d. per cwt.; extra strong, 111s. 6d.; double strength, 116s.

SALICYLIC ACID.—Makers' quotation for 1 cwt. is 2s. 2½d. per lb.; scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. (containers in brackets) are: 2s. 10½d. (1-lb.); 2s. 9½d. (2-lb.); 2s. 9d. (4-lb.); 2s. 8d. (7-lb.); 2s. 7½d. (14-lb.); 2s. 6½d. (28-lb.). Net one month.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are from 7s. 6d. to 8s. per lb.

SILVER COMPOUNDS.—Home-trade prices, in bulk packing, of PROTEIN, B.P., range from 30s. 6d. to 37s. per lb. VITELLIN, 20 per cent., is 55s. to 63s. per lb.; 30 per cent., 72s. 6d. to 82s. 6d. per lb., according to quantity. Additional charges are made for smaller packings.

THEOBROMINE.—Makers' prices per lb. (from April 1) are: ALKALOID, B.P.C., from 32s. 6d. to 37s. 6d.; CALCIUM SALICYLATE and SODIUM SALICYLATE, B.P., from 19s. to 24s.; SODIUM BENZOATE, 21s. 6d. to 25s. 6d. Assorted orders may be booked, with the exception of theobromine and sodium benzoate (caffeine alkaloid and salts may be included). Containers: 14-lb. and 28-lb. tins, free; other packages charged extra. Carriage paid on orders of £20 value and over.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota.

ZINC OXIDE.—Prices were reduced by £4 per ton on April 4. New rates per ton for B.P. are: 1-ton lots, £106 15s.; 3 cwt. and over, £107 15s.; under 3 cwt., £109 5s.

Crude Drugs

AGAR.—Kobé strip on spot is offered at 15s. 6d. to 16s. per lb.; Yokohama strip is quoted at from 14s. per lb., duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOES.—Prime Cape on spot is offered at from 107s. 6d. to 110s. per cwt.; shipment, 100s. per cwt., c.i.f. Curaçao is offered at 185s. per cwt. Socotrine is quoted at 170s. per cwt., spot.

BALSAMS.—*Canadā* is offered at 21s. per lb., on spot. Pará *Copaiba* (soluble), 4s. 9d. per lb., spot. San Salvador *Peru*, 4s. 9d. per lb., duty paid. *Tolu* on the spot is offered at 10s. to 10s. 3d. per lb.; shipment, 9s. 9d. per lb., c.i.f.

BELLADONNA.—Jugo-Slav root is quoted at from 4s. 3d. to 4s. 6d. per lb., duty paid, as to test; shipment, 3s., c.i.f. Jugo-Slav leaves (B.P.) are offered at 4s. 2d., duty paid. English leaves are available at 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Sumatra block on the spot is offering at from £15 to £16 per cwt., as to quality; No. 1, at origin, from £16 to £16 10s., c.i.f. Sumatra free almonds are quoted on spot at from £45 per cwt. Siam block, small almond, £118 per cwt., spot.

BISMUTH.—Metal is quoted at 10s. 6d. per lb., net, in minimum lots of 5 cwt.

BUCHU.—New-crop short rounds, to come forward, are quoted at 4s. per lb.

CAPSICUMS.—African on spot is offered at from 90s. to 130s. per cwt., as to quality.

CASCARA SAGRADA. — Continues quiet; spot quotations are from 170s. to 185s. per cwt., duty paid.

CASCARILLA. — Quills are offering at 1s. 5d. and siftings at 1s. 3d. per lb., spot.

CHAMOMILE FLOWERS.—Belgian material is offered at 3s. 9d. per lb., spot.

CINNAMON.—Quiet. Spot quotations for 0000 are at from 2s. 3d. per lb.; quillings are offered at 1s. 2d., featherings at 1s. and chips at 5d. per lb.

CLOVES. — Zanzibar, spot, quoted at 1s. 1½d. per lb.; March-April shipment, 1s. 1d., c.i.f. Madagascar, in bond, 11d.; shipment, 10¼d., c.i.f. Penang, spot, 3s. per lb.

COCHINEAL.—Silver greys on spot are quoted at 4s. 2d. per lb.; blacks, 4s. 9d.

COLOCYNTH.—Pulp on the spot is offered at prices from 1s. 7½d. per lb.

ELEMI.—Manila No. 1 gum is quoted at 2s. to 2s. 3d. per lb., spot London.

ERGOT.—Portuguese is offered at 6s. per lb., spot; from origin, 6s. per lb., c.i.f.

GAMBOGE.—Siam pipe on the spot is offered at £45 per cwt., duty paid.

GENTIAN. — A fair inquiry reported. French natural on the spot is offered at 62s. 6d. per cwt.

GUM ACACIA.—Kordofan cleaned sorts, the spot, quoted at 60s. per cwt.; shipme 56s., c.i.f. Bleached No. 1, 117s. 6d., sp shipment, 90s., c.i.f. Talha, on spot, per cwt.; forward, 37s. 6d., c.i.f.

HENBANE.—B.P. herb (*niger*) on spot quoted at 4s. 3d. per lb. Egyptian mate (*muticus*) is offering from origin at 1 per cwt., c.i.f.

IPECACUANHA.—Nicaraguan on the s is offered at 23s. per lb. for f.a.q., 23s. 9d. to 24s. for high-testing ro March-April shipment, 21s., c.i.f.; Ap May, 20s., c.i.f. Colombian, 21s. per spot. Matto Grosso is quoted at 24s. lb., c.i.f. U.K.

JABORANDI.—Leaves are offered at fr 75s. per cwt.

MENTHOL.—Firm. Brazil is offered 45s. to 46s. per lb., duty paid; in bo 43s. per lb. quoted, with few offers.

NUTMEG.—West Indian 80's on the sp 2s. 10d.; sound unassorted, 2s. 4d.; wor and broken, 1s. 5d. per lb.

NUX VOMICA.—A small spot trade is ported in Cochin at 36s. per cwt.; at orig quotations for washed and garbled mater are at 30s., c.i.f. Mangalore is quoted 34s. per cwt., spot.

ORRIS.—Florentine root on the spot offered at 115s. per cwt.; Verona root, sp not offered.

PAPAIN.—East African, on the spot, offered at 15s. per lb.; Ceylon brow 11s. 6d. per lb., spot.

PIMENTO. — Spot quotations are 1s. 2¼d. per lb.; forward, 119s. per cw c.i.f.

QUINCE SEED.—Cape on the spot is fered at from 3s. 9d. per lb.

RHATANY.—Quiet. Spot quotations a unchanged at 9d. per lb.

RHUBARB.—Chinese rough-round, with good pinky fracture, is quoted at fr 4s. 9d. to 5s. per lb., duty paid on t spot; in bond 4s. 8d. per lb. Second-gra sound root is offered at around 3s. 6d. p lb., duty paid.

SEEDS.—Cyprus ANISE is quoted 1s. 4½d. per lb.; Turkish, 1s. 4d. per l duty paid, or 1s. 3d. per lb. in bond, sp London. CARAWAY.—Sellers of Dutch 118s. per cwt., duty paid, spot Londo CELERY.—Indian is in poor demand at 1 per lb., spot London or Liverpool. CORIA DER.—Market quiet. Morocco, spot Londo quoted at 35s. per cwt., duty paid; Arge tine, offered at 28s. per cwt., duty pai spot London or Liverpool. CUMIN.—Mo inquiry. Cyprus, spot London, 160s. p cwt.; Indian, now 155s. per cwt., spot Lo don or Liverpool. DILL.—Unchange Indian is 47s. 6d. per cwt., spot London Liverpool. FENNEL.—Quiet. Indian, quote at 67s. 6d. per cwt., spot London, and 65 per cwt., spot Liverpool or Hull. FEN

EK.—Remains firm. Indian, 54s. per ., spot London or Liverpool; Morocco, 6d. per cwt., duty paid, ex store don or Liverpool.

HELLAC.—A firmer spot market. Price F.O.T.N., pure, is 330s. and F.O. Stan- d 1, 360s.; fine orange is 380s. to 410s. cwt., all ex London warehouse.

QUILL.—Italian fair white on spot is 6d. per lb. No No. 1 white available.

TROPHANTHUS.—Quotations for *Kombé*, per cent., have been at 12s. per lb., t; supplies are now coming forward at to 11s. 3d. per lb. Export business in *tus* has been done at about 9s. per lb., .

VAXES.—Dar-es-Salaam Bees', 330s. per ., spot; shipment, 310s., c.i.f. Benguela, s. per cwt., in bond; forward, 290s., CANDELILLA.—An easier market. t offers are at 390s. per cwt.; to come ward, 360s. CARNAUBA.—Prime yellow, s. per cwt., spot; shipment, 570s. Fatty y, 440s. per cwt., spot; forward ship- t, 420s., c.i.f., nominal. Chalky grey, s. per cwt., spot; forward, 395s., c.i.f. NTAN.—Reibeck, 225s. per cwt., spot; ment, 210s., c.i.f. Czechoslovak crude, s. per cwt., spot; shipment, 175s., c.i.f. RICURI.—A parcel of 6 per cent. on the t is offered at 420s. per cwt. SPERM- TI.—Quoted at 2s. 5d. per lb., spot.

Essential and Expressed Oils

NISE.—Chinese star on the spot is red at from 4s. 5d. to 4s. 7½d. per lb., oil in drums; in tins in cases, 5s. to 3d. per lb.; at origin drums are quoted 4s. 4½d., c.i.f.

BAY.—West Indian on the spot is quoted from 6s. to 7s. 6d. per lb.

ADE.—Spanish oil, B.P., on spot is of- ed at from 3s. to 3s. 3d. per lb. upwards, to quantity.

AJUPUT.—B.P. grade is offering at from . to 25s. per lb., spot.

LAVENDER.—French, 38-40 per cent., on t, is quoted at from 16s. to 17s. per lb.; 42 per cent., 17s. to 18s. Spanish spike ffering at 7s. 6d. per lb., spot.

LAVANDIN.—Spot quotations for new- p oil are from 7s. to 7s. 6d. per lb.

LEMONGRASS.—Spot quotations are at ut 7s. 3d. per lb.; April-May shipment, 6d. per lb., c.i.f.

LIVE.—Prices are unchanged. Supplies oil from members of the Importers' sociation are made at the rate of 26s. 2d. gall. of 9 lb., ex store, drums included. litional charges are added for small ntities, according to costs of breaking k, containers, delivery, etc.

ORANGE.—Sicilian bitter, for shipment, quoted at 13s. to 13s. 6d. per lb., c.i.f.; minal spot value, 15s. to 17s. Jamaican ter is quoted at 15s., spot. West African sweet, from 7s. 9d., spot; shipment, 6s. 3d. per lb., c.i.f.; Rhodesian sweet is offered at 9s. 6d. per lb., spot.

ORIGANUM. — Quotations are from 17s. 9d. to 18s. 6d. per lb., on the spot.

PALMAROSA.—Spot supplies are offered at 32s. 6d. per lb.; forward, 31s. 6d., c.i.f.

ROSEMARY.—Spanish is offered at 6s. 6d. to 8s. per lb., as to quantity.

TEASEED.—Spot supplies of edible are offered at about 20s. per gall. of 9 lb.

VETIVERT.—Bourbon on spot is quoted at from 65s. to 70s. per lb., as to grade.

YLANG YLANG.—Bourbon, 60s. to 70s. per lb., as to grade and seller.

ESSENTIAL OILS IN SOVIET GEORGIA

THE Georgian Republic of the Soviet Union enjoys a sub-tropical climate and has a rich soil. In recent years a serious effort has been made to established a new industry—the cultivation of plants for production of essential oils. One of the principal perfume sources to be developed is the geranium [*Pelargonium* spp.], from which many tons of oil are now produced annually. In 1947 at least 7,000,000 cuttings were prepared and energetic steps are now being taken to increase cultivation. The Suhum zonal experimental station has developed a new variety, yielding three times as much oil as the rose geranium hitherto employed. Experimental crops have given very satisfactory results, and it is planned to have from 700 to 800 hectares under this new crop by the end of five years. A green oil is also produced from it. Another novelty in Soviet Georgia is rose-farming, a technique introduced from the famous rose gardens of Kazanlik in Bulgaria. A third important plant is basil, *Ocimum basilicum*. This herb, which has so ancient and high a repute in the East that it has earned the name of *vasilikon* (the royal), is now being cultivated in Georgia on a considerable scale, the farms of the Lagodekhi Region producing as much as six or seven tons of green basil oil. Other plants grown are patchouli, tuberose, big-flowered jasmine, and some others that are of particular value in the production of fixatives. A Perfumery Trust has been set up and this exceeded, in 1947, the planned figure for output of attar of roses, leaving a surplus for experimental purposes. The Government has decided to build a factory to manufacture perfumes, toilet waters, cosmetics, toilet soap and similar products.

TRADE MARKS

(From the "Trade Marks Journal," March 23)

"LATHEX"; by J. C. & J. Field, Ltd., London, S.W.19; B652,697. "MOUSSELINE"; by Parfums Marcel Rochas, Paris; 658,413. Circle device including "GIRALT" on shield device and "ELAN DE VIE"; by Xavier Giralt, Glasgow; B656,527. "PAGAN"; by Picot, Ltd., London, W.6; 666,137. "POINTFIX"; by Doetsch Grether & Cie, A.G., Basle; 667,892. "ROTOFINISH"; by Rotofinish, Ltd., London, E.C.2; 668,351. "CAREFREE"; by Potter & Moore, Ltd., London, E.10; 669,135. "SUNEA"; by Herts Pharmaceuticals, Ltd., Welwyn Garden City; 669,365. "EUGENE" and device of woman sitting cross-legged; by Eugene, Ltd., London, N.W.9; 668,662. For non-medicated toilet preparations (3).

"BUNTY"; by W. B. Cartwright, Ltd., Rawdon; 661,597-98. For non-medicated toilet preparations (3); for all goods, excluding sanitary clothing (5).

"LUSTRE-CREME" and device of woman's head; by Colgate-Palmolive-Peet, Ltd., London, S.W.1; B670,529. For shampoos (3).

"SPRUSKA"; by McClinton's, Ltd., Donaghmore; 670949. For non-medicated lotions for use after shaving (3).

"EMU BRAND" and device of emu; by Midland Utilities, Ltd., Birmingham; 668,549. For cosmetic, powder and lipstick cases (3).

"PARACRIN"; by George Wright Taylor, Sheffield; 659,936. "FERVITA"; by Reynolds & Branson, Ltd., Leeds; B661,328. "FLAVISAN" and "AVLOPROCIL"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 668,189 and 670,577. "DRAWROF"; by Harry Dugdale, Burnley; B668,688. "SABOCIL"; by H. R. Napp, Ltd., London, W.C.2; 669,784. "CYMOGRAN" and "INOTERIN"; by Allen & Hanburys, Ltd., London, E.2; 677,284 and 677,286. For pharmaceutical preparations (5).

"PROTOSAN"; by U.S. Vitamin Corp., New York; 665,368. For infants' and invalids' foods consisting principally of proteins (5).

"PELLENT"; by Cooper, McDougall & Robertson, Ltd., Berkhamsted; B666,997. For preparations for repelling biting insects (5).

"CYDAL"; by Bureau of Insemination, Ltd., Burnley; 667,202. "DURATOX"; by Shell Co. of Portugal, Ltd., London, E.C.3; 668,932. For insecticides (5).

"HOLLOWAYS PILLS"; by Holloway's Pills, Ltd., London, S.W.1; 669,747. For medicated pills (5).

"DURAWAX"; by Abril Corp. (Gt. Britain), Ltd., Bridgend; 670,104. For medical and surgical plasters containing wax, and for dental waxes (5).

"SURGOSOL" and "COMFYSAN"; by Thomas Inmann, Oldham; 670,256-57. For sanitary towels (5).

"TRILITE"; by British Trilite, Ltd., Burton-on-Trent; 668,637. For inhalers (10).

"THERMOSAN"; by Macwill & Co., Ltd., Kingston Hill; 670,560. For apparatus for applying hot air to the body for medical and surgical purposes (10).

(From the "Trade Marks Journal," March

"WOODMET ALUMA" and "WOODMET LUSTRAL by Woodmet Ltd., Dukinfield; 663,405 a 663,408. For tooth-brush, toilet-brush and so holders, etc. (21).

"ROBREX" on label device, including baby; Keen, Robinson & Co., Ltd., Norwich; 670,6 For dietetic, infants' and invalids' foods (5).

"VETRINAID"; by Arthur Stewart Rich, Londc S.W.8; B671,031. For veterinary instrume and apparatus (10).

COMING EVENTS

Items for inclusion in the next issue must received not later than first post, Tuesday, April 1

Monday, April 11

HARROW BRANCH, PHARMACEUTICAL SOCIETY, O Hall, Baptist Church, College Road, Harrow, 7.30 p.m. Film show.

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIET Saracen's Head Hotel, High Street, Margate, 7.45 p.m. Annual meeting. Mr. F. C. Wils (member of Council) on "From Now On."

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION WOMEN PHARMACISTS, Red Cross Rooms, Hocki Hey, at 7.30 p.m. Mr. Montague Fisher "Amateur Photography and Cine-photography

SOUTH SHIELDS PHARMACISTS' ASSOCIATION, Dors Café, Ocean Road, South Shields, at 7.30 p. Address by Dr. N. Cowley.

Tuesday, April 12

BRADFORD BRANCH, PHARMACEUTICAL SOCIETY, Roo 14, Midland Hotel, Bradford, at 7.45 p.m. A nual meeting.

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metr politan Hotel, Leeds, at 7.30 p.m. Detectiv inspector G. W. Towels (West Riding Co stabulary Forensic Laboratories) on "Science an Aid to the Detection of Crime."

PRESTON PHARMACISTS' ASSOCIATION, Bull a Royal Hotel, Preston, at 7.30 p.m. First series of lectures on truss fitting: Resident Su gical Officer, Preston Royal Infirmary, "Hernia."

WALSALL BRANCH, PHARMACEUTICAL SOCIETY, Patt son's Café, The Bridge, Walsall, at 7.45 p. Address by Mr. T. Heseltine (member of Cou cil).

Wednesday, April 13

PROPRIETARY ARTICLES TRADE ASSOCIATION, Co naught Rooms, Great Queen Street, Kingswa London, W.C.2, at 4 p.m. Annual meetin (open to members of manufacturers', wholesaler and retailers' sections).

Thursday, April 14

MODERN HOMES AND HEALTH EXHIBITION, Waverle Market, Edinburgh (continuing until April 30).

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN. special general meeting of members is to be hel at 17 Bloomsbury Square, London, W.C.1, o Tuesday, April 19, at 7.30 p.m., to discuss pro posed sale of land and building in Brunswic Square.

BRADFORD BRANCH, NATIONAL PHARMACEUTICA UNION, is giving a dinner and dance in honou of Mr. G. A. Mallinson, at Bankfield, Cotting ley, on Wednesday, May 4. Tickets (21s. each from Mr. A. S. Davy, Town Gate Pharmacy, Idle Bradford.

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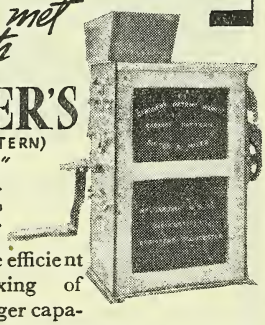

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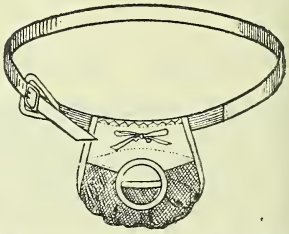

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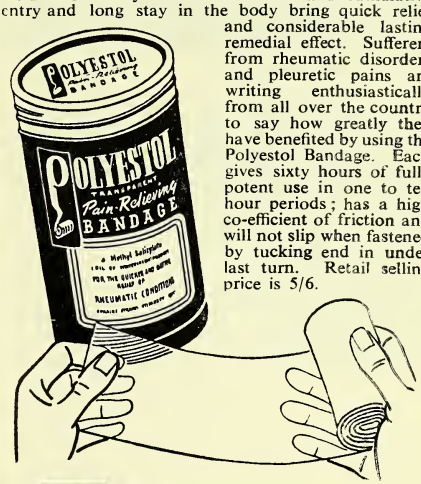

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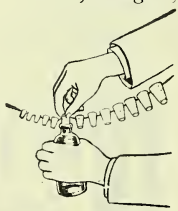

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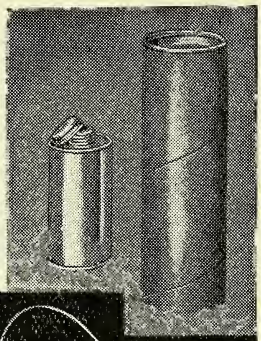

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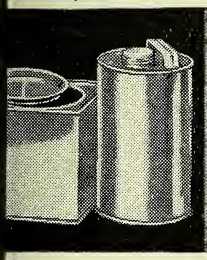

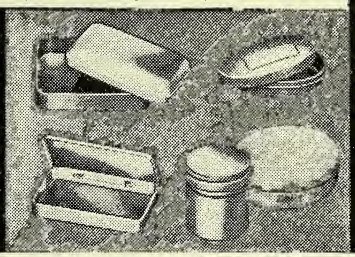

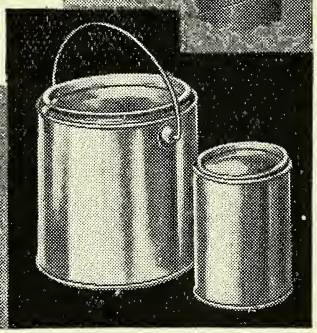

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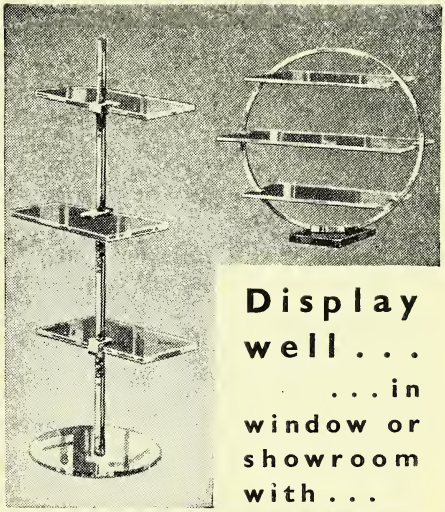

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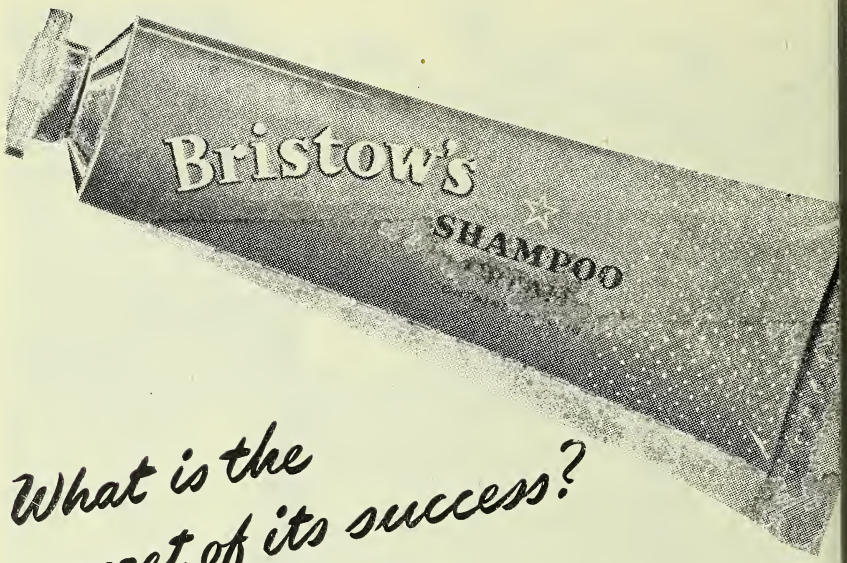

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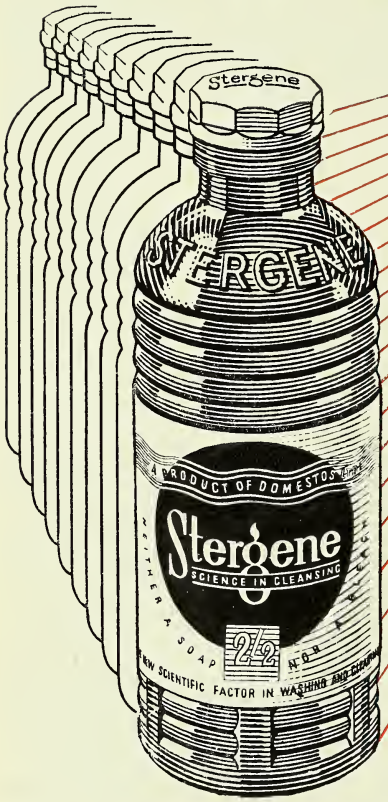

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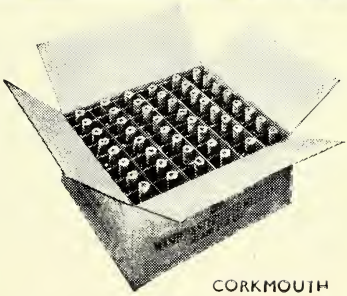

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Tel.: GERRARD 8611 (15 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON

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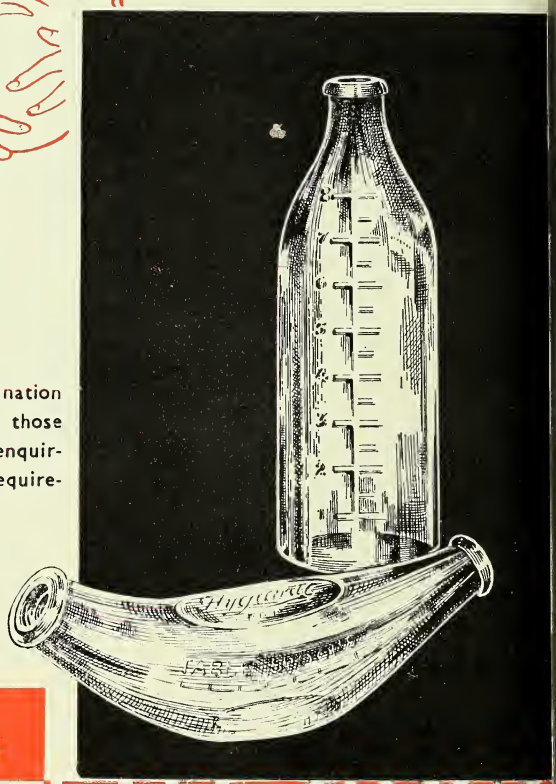

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The new one-minute tablet test for detecting urine-sugar

CLINITEST

INITEST has been approved by the edical Advisory Committee of the Diabetic sociation. Doctors and Diabetics are iting enthusiastic letters about this unique let test. It is already widely used in nerica, Canada and other countries, and is now available in the United Kingdom. CLINITEST is a simple, fast copper reduction test with all reagents compressed in a single tablet. It is based on the same chemical principles involved in the Benedict Test, but with the following unique advantages :

NO EXTERNAL HEATING — The tablet generates its own heat. (No flame or water bath required).

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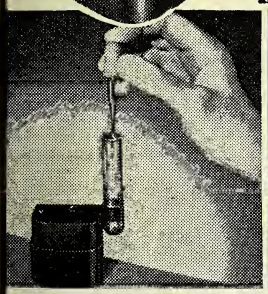
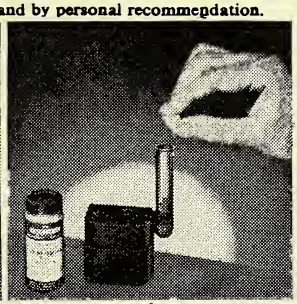
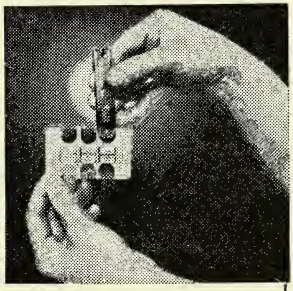
CONVENIENCE . — All essentials are contained in a hygienic pocket-size case. (No bulky apparatus).

The use of CLINITEST is spreading rapidly among Doctors and Diabetics as a result of advertisements in the Medical Journals, The Diabetic Journal and by personal recommendation.







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upply of illustrated leaflets for distribution to the public h all sales of Insulin and other diabetic products will be t with all orders.

NITEST SET, complete .	**12/- Retail**	*Trade Dis.* 33⅓%
FILL BOTTLE (36 tablets) .	**4/- Retail**	

CLINITEST is *not* subject to Purchase Tax

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PROMOL MOTH RINGS JUNIOR SIZE are now doubly efficient by compounding Napthalene with Paradichlorbenzenum and D.D.T. The first two, powerful moth repellents, evaporate gradually, leaving the deadly D.D.T. as fine powder which ***kills insects by contact,*** thus giving an extra protection. Tell your customers this for ***SURE SALES.***

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Attractive red, white and blue display carton. Enquiries invited.

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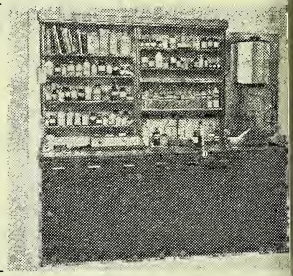

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NEW SMART ONE DOZEN 1/- SCRAM COUNTER DISPLAY BOX 8/9

Also available in 3 doz. Display Box at 25/6

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- MORE THAN 1,000,000 PACKETS SOLD PER YEAR
- CLEAN, NON-POISONOUS AND SAFE
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Order from your Wholesaler or direct.

PACKS THAT SELL, SELL, SELL!

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The Rentokil Junior Injector (for forcing timber fluid into wood worm flight holes) has already 20,000 satisfied users. Advertisements are now appearing in *The People*, *News of the World*, *Sunday Empire News*, *Daily Mail*, *Express*, *Herald*, *Mirror* and *Graphic*. Hundreds of letters are being received from the public asking where the injector can be obtained locally—DON'T LOSE A SALE—When your customers ask for the Rentokil Junior Injectors, MAKE SURE YOU HAVE THEM. If you haven't

WRITE OR PHONE IMMEDIATELY TO

RENTOKIL LTD

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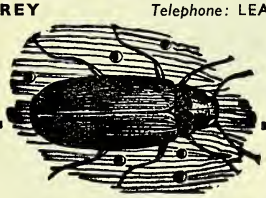

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STRAW HAT DYES

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Both less 5% for cash in 7 days

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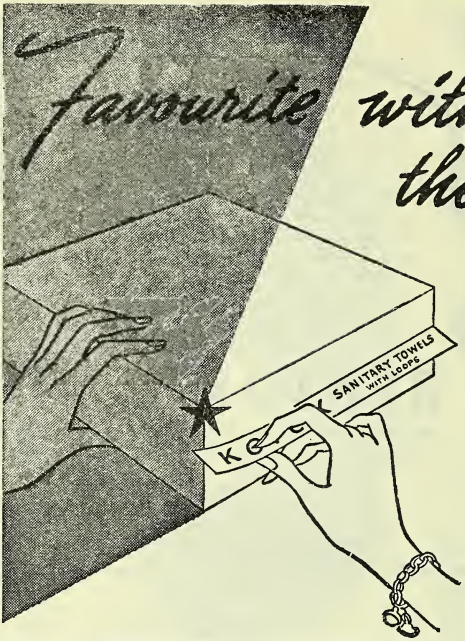

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★ Simply remove the perforated

and the plain box is ready for sale

KOTEX

SANITARY TOWE

WITH LOOPS

Now 1/10d. per Box (C.P.R.C Appro

CELLUCOTTON PRODUCTS LTD., 33/34 AYLMER PARADE, LONDON,

An

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have pleasure

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BRONCHOVYDRIN

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BRITISH MARKET

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EXEMPT *from* PURCHASE TAX

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This Inhalant for the Treatment of Asthma is now Obtainable from the

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OVER 150 YEARS REPUTAT

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THE ORIGINAL

WIDOW WELCH'S PI

9d. BOX PROFIT by ordering l
3/3½ size. Bonus box given on
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THE MEDICATE
PASTILLE

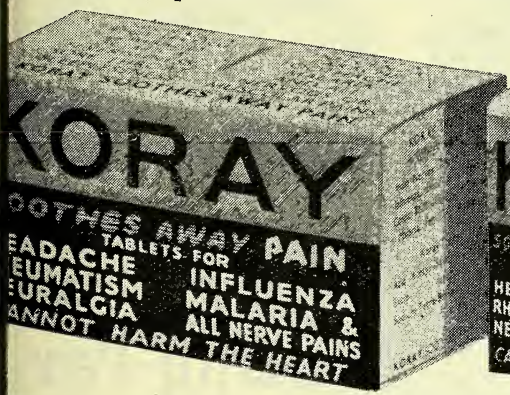
FOR VOICE, THROAT & CHE

TEASDALE & CO. LTD., CARLIS

S HANDY PLASTIC CONTAINER IS

creasing the already reat demand for KORAY

thousands who regard KORAY as their "First n case of pain are making this plastic container constant companion. It holds 5 tablets and to a waistcoat pocket or the smallest handbag.



There is a container in every one of the neat, cellophane-wrapped packs of KORAY 28's and 64's. These larger sized packs of KORAY tablets give you a good profit margin and are excellent counter-lines. They are backed by powerful national advertising and create that goodwill which is only associated with a tried and proved product of quality.

The 10 tablet pack, recently re-designed, will act as an introduction to those who are not yet fully aware of the thoroughly dependable analgesic qualities of KORAY.

Send your order now to:

KORAY LTD., GOLDEN MILE WORKS, BRIDGEND, GLAM.

DISPLAYS

bring ALL your 'ASPRO' PUBLIC IN!

It is only by **continuous display** that you will discover just how large 'ASPRO' demand is to-day. For the 'ASPRO' public grows ever greater. 'ASPRO' is proof against any "ups and downs" in the market—changes in purchasing power, fashions or habits. The success of 'ASPRO' is reaching unique proportions simply because it is a good product which more than fulfils its claims, and which is well, widely and persistently advertised.

'ASPRO' 5's NOW PACKED IN 6 DOZ. SHOWBOXES AGAIN

The easing of the supply position now enables us to revert to the pre-war 5's showbox of 6 dozen. At the same time we are reintroducing the pre-war minimum bonus quantities of 6 dozen 5's or 3 dozen 27's. Otherwise bonus terms remain unchanged as follows—

6 doz. 5's qualify for a bonus of 6 packets of 5's.
3 doz. 27's qualify for a bonus of 6 packets of 27's.

Provided that 14 days' window display is given.

Bonus quantities are *pro rata* for larger orders. All bonus is entirely free of cost to you. The 6 packets of 5's retail at 2/- and the 6 packets of 27's at 8/6, so—

YOU GAIN OVER 32% EXTRA PROFIT WHEN YOU BUY THE TWO SIZES ON FULL WINDOW DISPLAY TERMS

P.A.T.A.

Made in England by ASPRO LIMITED, TRADING ESTATE, Slough, Bucks

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IT'S THE BEST TAMPON VALUE ON THE MARKET

ITS QUICK SALES MEAN QUICK PROFITS!

IT'S WELL ADVERTISED -AND DISPLAY MATERIAL IS AVAILABLE NOW

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FROM HOLLYWOOD

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★ Holly-pax appeals to women because of its excellent value—quite apart from its great advantages and amazing compactness. It's equally attractive to stockists because it sells quickly, meaning quick profits.

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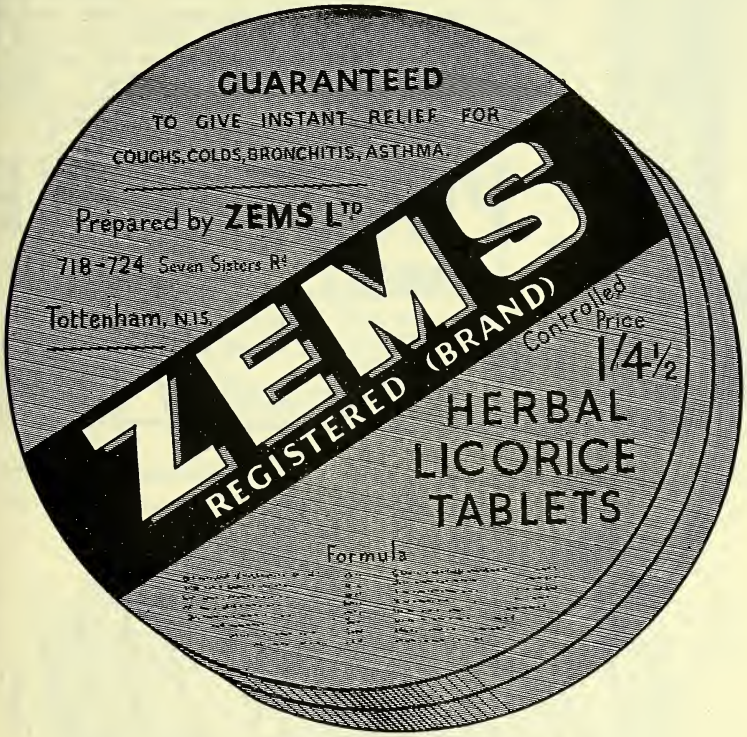
FOR EVERY MONTH OF THE YEAR

"ZEMS"
HERBAL LICORICE TABLETS



THE BEST MEDICATED TABLETS FOR
COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F. Wholesale Houses

ZEMS LTD

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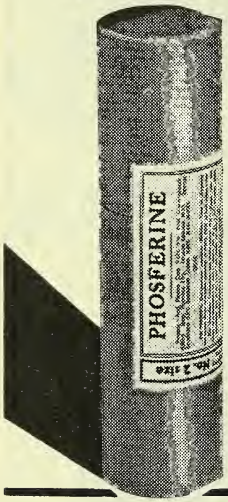
The Greatest of All Tonics—



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The familiar Phosferine pack has won for itself an enviab world-wide goodwill. It has only to be shown to be sol And the sales of Phosferine prove how adequately "Th Greatest of all Tonics" lives up to its claims. Make th most of the wonderful popularity of Phosferine by ensurin that your stocks are adequate to meet the demand.

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TABLETS and LIQUID

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THE OLDEST SPECIALISTS IN THE TRADE...ESTABLISHED 1768

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Get ready for the coming increased demand by ordering renewed supplies of 'Freezone' Corn Remover right away.

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And a very progressive young man too. He believed there was a future in the incandescent gas mantle, morse code and the safety bicycle. Inventive days the 80's, scientific progress was gaining momentum. It was in the year 1887 that Scott's of Edinburgh launched M.O.F. — a new idea in infant feeding. M.O.F. has changed much since 1887. But the same inventiveness and progressive spirit has remained an essential part of Scott's policy. Today, Scott's of Edinburgh provide a whole range of infant foods for mixed-feeding time.

SCOTT'S BABY CEREAL

The ready-cooked baby cereal fortified with essential vitamins and minerals.

SCOTT'S M.O.F.

In use for sixty years. Contains added iron, calcium, phosphorus and vitamin D.

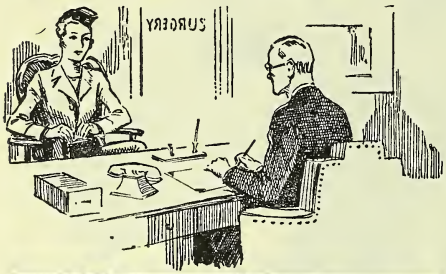
SCOTT'S STRAINED FOODS AND SCOTT'S BABY SOUPS

A tempting variety of fruit, fish, meat and vegetable purées which help to prepare baby's taste-sense for normal food.

SCOTT'S OF EDINBURGH

A. & R. SCOTT LIMITED, COLINTON, EDINBURGH

PLANNED PARENTHOOD



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TRADE MARK Regd. No. UK.609162

The Scientifically balanced antiseptic and deodorant contraceptive

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KEEP ADEQUATE STOCKS
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The **BUXTON RUBBING BOTTLE** provides the continuous warmth essential to the relief of Nerve and Muscular pains. It is of assistance in the treatment of **RHEUMATISM, LUMBAGO, SCIATICA, SPRAINS, STIFF JOINTS, UNBROKEN CHILBLAINS, Etc.**

The **BUXTON RUBBING BOTTLE**
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BRADDOCK & BAGSHAW LTD. OLDHAM

Distributed by

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VICTORIA HOUSE, VICTORIA STREET, OLDHAM

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A NEW and PROFITABLE line —

To retail at 2/6 per bottle, sufficient for four Treatments

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METROPOLITAN DRUG CO. L
35 OLD BOND STREET, LONDON,

Firm Favourites!

with every member of the family . . . .

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(MEDICINAL AND TOILET)

SOAP · OINTMENT

TALCUM POWDER · SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

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THE POTTER DRUG & CHEMICAL CORPORATION
205-207, Victoria House, London, W.C.1

318

Be on your guard

The danger season is here : that time of the year, between March and May, when the warmth of the Gulf Stream and strong rays of the sun vie with the cold winds from the north for supremacy. In the ever changing temperatures that result, colds and chills become more frequent. This is the time when SEROCALCIN is a particular aid in the prevention and treatment of the common cold. Place your orders in good time to meet the increased demand for Serocalcin.

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P.A.T.A.

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FOR THE PREVENTION & TREATMENT OF COLDS

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184 STRAND LONDON · W.C.2

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TS, Druggist and Optical business for sale . London. No opposition. Rent and rates week. Price £350 for goodwill, fixtures, etc., plus stock at valuation. Apply Box

TICS, perfumery, toilets and fancy goods. position important Surrey town. Photo- and patents could be added. Beautifully hop. Very favourable lease. Turnover be- £5,000 and £6,000 under management, two Genuine and exceptional offer, £2,750 and Box 6/28.

N, EAST HAM AREA. Old-established che- siness and leasehold property for sale. Tak- out £3,200 p.a. N.H.S. about 900 prescrip- month. Excellent living accommodation. y, £2,500. Goodwill, fixtures and fittings, S.A.V. Write to Box 6/75.

BUSINESSES WANTED

s 8/6 (minimum) then 3d. per word. Box 2/-

TISER desires to contact small old-established manufacturing chemist business which re- capital and new lines. Outright purchase partnership basis. London area preferred. in strictest confidence, to Box 6/65.

APPOINTMENTS

2/6 per line (12 lines = 1"). Box 2/-

BOURNEMOUTH ROYAL VICTORIA AND WEST HANTS HOSPITAL

ASSISTANT PHARMACIST

Applications are invited for the post of Assistant Pharmacist. Salary in accordance with J.N.C. Scale.

Applications, stating full details of qualifications, age and experience, and accompanied by copies of three testimonials, should be addressed immediately to the undersigned—GORDON M. SAUL, Administrator.

BRADFORD ROYAL INFIRMARY

(480 beds)

ASSISTANT PHARMACIST required. Salary within J.N.C. Scale, i.e., £370-£450 per annum according to experience and qualifications. Superannuable post subject to medical examination. Applications, stating experience, qualifications, etc., together with three names for reference to be forwarded to the undersigned as soon as possible.

H. TRUSSON,
Secretary,
Bradford "A" Group, H.M.C.

BERDOE & FISH

Chemist Transfer Agents and Valuers

41 ARGYLE SQUARE, KING'S CROSS, W.C.1

(opposite St. Pancras and King's Cross Stations)

- **Business Transfers, without publicity, our speciality**
- **Businesses urgently required, advice free**
- **All Valuations and Stocktakings, carried out under personal supervision of principals**

Established 1870 Phone: TERminus 3574

Appointments—Continued

BRADFORD EDUCATION COMMITTEE TECHNICAL COLLEGE, BRADFORD

Applications are invited for appointment as SENIOR ASSISTANT in the Department of Pharmacy. The Senior Assistant should have high qualifications in Pharmacy. Some experience in BACTERIOLOGY or PHARMACOLOGY would be an advantage.

The salary, including allowances, may range from £700 to £905 per annum, according to the Burnham Scale.

Further particulars of the appointment and forms of application may be obtained from the Director of Education, Town Hall, Bradford, and completed forms should be returned to the Principal of the College within two weeks from the date of publication of this advertisement.

A. SPALDING,
Director of Education.

March, 1949.

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE METROPOLITAN HOSPITAL,

KINGSLAND ROAD, LONDON, E.8.

ASSISTANT IN THE DISPENSARY required at the above-named Hospital. Permanent non-resident post. Salary and conditions of service in accordance with J.N.C. (Hospital Staffs) recommendations and National Health Service Superannuation regulations.

Applications, in candidate's own handwriting, giving details of experience and the name and address of two referees, to the undersigned.

FRANK CHAMBERS, House Governor,
Metropolitan Hospital, Kingsland Rd.,
London, E.8.

SHEFFIELD No. 2 HOSPITAL MANAGEMENT COMMITTEE WHARNCLIFFE HOSPITAL, SHEFFIELD, 6

APPOINTMENT OF DISPENSING ASSISTANT

Applications are invited from suitably qualified persons for the position of Dispensing Assistant Salary within scale according to experience—£270 to £320. The National Health Service Superannuation Regulations apply.

Applications, stating age and experience and accompanied by the names and addresses of two persons to whom reference may be made should be forwarded to the Medical Superintendent, Wharncliffe Hospital, Sheffield, 6.

R. BRADLEY,
Secretary.

28th March, 1949.

CLAYTON HOSPITAL, WAKEFI YORKSHIRE.

ASSISTANT PHARMACIST required. resident post, salary in accordance wit recommendations of the Joint Nego Committee, i.e., £370 x 15 x 20 (1) to per annum.

Applications, stating age, qualification experience, with copies of three recent monials, should be sent to the unders

W. REED,
Secretary, H.M.C. No.
Clayton Hospital, Wak

CROWN AGENTS FOR THE COLONIES.

Applications from qualified candidate invited for the following post:—

STOREKEEPER AND INSPECTIN PHARMACIST

required by Government of Sierra Leor Medical Department for initial tour of 24 months with prospects of permar Salary and expatriation pay in scale rising to £970 a year. Commencing according to qualifications and exper Outfit allowance £60. Free passages. didates, not over 40, must be members Pharmaceutical Society and have had e ence in medical storekeeping and store ministration. Apply at once by letter, s age, whether married or single, and full ticulars of qualifications and experience mentioning this paper to the Crown A for the Colonies, 4 Millbank, London, S quoting M/N/21999/3F on both letter envelope.

KING'S COLLEGE HOSPITAL GRO DENMARK HILL, S.E.5.

ASSISTANT PHARMACIST and an A TANT DISPENSER (Hall). Application invited for these positions. Salary and according to the J.N.C. Scale. Superannu Scheme in force and appointment is su to passing a medical examination. Applica with details of age and experience. shou sent to The Pharmacist at the above ad

KINGSTON GROUP HOSPITAL MANAGEMENT COMMITTEE

KINGSTON HOSPITAL, WOLVERTO AVENUE, KINGSTON-UPON-THAM

ASSISTANT PHARMACIST

Applications are invited for the positio ASSISTANT PHARMACIST. Salary in cordance with the recommendations of J.N.C. (Hospital Staffs).

Applications to be made as soon as po to the Medical Superintendent.

MANSFIELD HOSPITAL MANAGEM COMMITTEE.

Applications are invited for the pos LOCUM PHARMACIST for the period 1 to September 30, 1949, for holiday relief other duties in hospitals within the g Salary will be at the rate of 10 gns. per Applications, stating age, details of experi together with copies of two recent testimo to be forwarded to the undersigned in diately.

A. ASHWORTH, *Secreta*
Mansfield Hospital Management Committe
Oak Bank, Crow Hill Drive,
Mansfield. Notts.

Appointments—Continued

RTH MIDDLESEX HOSPITAL, EDMONTON, N.18

M PHARMACIST required for an in- period. Salary £10 10s. per week, to superannuation deductions. Appli- stating age, qualifications and experi- Medical Director.

HAMPTON GROUP HOSPITAL MANAGEMENT COMMITTEE

ASSISTANT PHARMACIST.

cations are invited for the post of t Pharmacist at the ROYAL SOUTH HANTS AND SOUTHAMPTON HOSPITAL. y in accordance with J.N.C. recom- ions.

cations, stating age and experience with of recent testimonials, to be sent as possible to the Secretary of the above ttee, Bullar Street, Southampton.

N MARY'S HOSPITAL FOR THE EAST END, West Ham Group No. 9, Stratford, London, E.15.

Applications are invited for the post of R ASSISTANT PHARMACIST. Salary ordance with J.N.C. (Hospital Staffs) viz., £415, rising to £490 per annum ual increments of £15. The post is sub- the provisions of the National Health (Superannuation) Regulations, 1947.

Applications are invited for the post of TANT PHARMACIST. Commencing depending on experience and in accord- ith the J.N.C. (Hospital Staffs) Scale. s hospital experience not essential. 9 a.m. to 5 p.m.; Saturday, 9 a.m. m. No Sunday or late duties.

ications, giving full details of age, ations and experience in respect of these cancies should be addressed to the Chief acist as soon as possible.

FORD HOSPITAL MANAGEMENT COMMITTEE

AFFORD GENERAL INFIRMARY, STAFFORD

TANT PHARMACIST required at the hospital, male or female, with M.P.S. ation. Salary and conditions of service ordance with the J.N.C. Scales.

ations, giving details of age, qualifica- nd experience, together with copies of recent testimonials, should be forwarded undersigned immediately.

H. H. JONES,
Secretary to the Committee.
13 Foregate St., Stafford.

OOLWICH GROUP HOSPITAL MANAGEMENT COMMITTEE

M PHARMACIST required at St. as Hospital, Plumstead, S.E.18. June o July 2nd. Brook Hospital, Shooters d., S.E.18, July 30th to August 13th. £10 10s. per week plus meals on duty. to Secretary, W.G.H.M.C., Memorial al, Shooters Hill, S.E.18.

THE UNITED LEEDS HOSPITALS. THE GENERAL INFIRMARY AT LEEDS.

Applications are invited for the appointment of ASSISTANT PHARMACIST. Salary commencing at £350 p.a., plus meals when on duty and with additional payment for stand-by duty. The remuneration payable is subject to adjustment in the light of scales to be made known by the Minister of Health. National Health Superannuation Scheme in force. Night and week-end duty will be worked in rotation. Previous hospital experience not essential. Applications, stating age, sex, and experience, together with the names of not more than three referees, must be sent to the undersigned as soon as possible.

S. CLAYTON FRYER,
Secretary to the Board.

WEST PARK HOSPITAL, EPSOM

Applications are invited for the appointment of Assistant Pharmacist. Whole time: hours of duty 39 per week, no Sunday duty. Salary in accordance with J.N.C. (Hospital Staffs), viz., £370, rising by four annual increments of £15 and one of £20 to a maximum of £450 p.a. Newly qualified pharmacists considered, either sex. Accommodation available for single persons if required at very reasonable cost. Social and recreation facilities available. The appointment is subject to the National Health Service (Superannuation) Regulations, 1947. Applications, stating age, qualifications, experience and names and addresses of two referees should be sent to the Physician Superintendent, West Park Hospital, Epsom, Surrey.

WOOLWICH GROUP HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the post of First Assistant PHARMACIST at St. Nicholas Hospital, Plumstead (220 beds). Salary according to J.N.C. (Hospital Staff) scale: £415 x £15 to £490 p.a. Superannuation Scheme in force. Temporary accommodation can be provided if necessary.

Applications should be addressed to the undersigned as soon as possible and should be accompanied by copies of three recent testimonials.

J. I. COXON INCE,
Secretary, W.G.H.M.C.
Memorial Hospital,
Shooter's Hill, S.E.18.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

A VACANCY OCCURS for a pharmacist who wishes to do some evening and week-end work. Applications to Manager, Allen & Hanburys, Ltd., 7 Vere St., W.1.

ASSISTANT required for dispensing department; male or female (if latter comfortable accommodation is available). Good salary. Apply, Bailey & Alexander, 9 Strait Bargate, Boston, Lincs.

ASSISTANT (man or woman) well experienced dispenser, for London, North or West branch. Apply "A," Box 6/30.

Situations Open—Continued

ASSISTANT DISPENSER required for good-class pharmacy. No Sunday nor half-day duties. Permanency. Good salary. Apply J. Epson, 4 Gladstone Parade, Edgware Rd., N.W.2. 'Phone Gla. 5314.

ATTRACTIVE salary, including commission, £700 per annum, offered to experienced pharmacist to manage dispensing business. Flat in Forest Hill available for suitable applicant. Apply Box 5/966.

BIRMINGHAM CO-OPERATIVE CHEMISTS, LTD., have vacancies in various districts of Birmingham for qualified pharmacy managers. Salary based on sales, plus commission on dispensing. Permanent progressive positions. Superannuation scheme in operation. Apply Personnel Department, Birmingham Co-operative Society, Ltd., High St., Birmingham, 4.

BOGNOR. Unqualified dispenser required; good-class business. Permanent congenial position. Accommodation can be arranged for three in family. Interview essential. Please apply, Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Rd., London, S.W.1.

CHEMIST, qualified, wanted to act as branch manager in Glasgow. Good salary with superannuation scheme in operation. Apply in writing stating age, experience and when available for interview, to The Technical Supervisor, S.C.W.S., Ltd., Retail Drug Department, 187 Bogmoor Road, Glasgow.

CITY PHARMACY requires young unqualified assistant for counter work and general duties. Good salesman and window dresser. Apply in writing, stating age, particulars of experience and salary required. B. Hooper & Co., Ltd., 6 Railway Pl., Fenchurch St., E.C.4.

COLINDALE. Unqualified lady or gentleman with good dispensing experience for main shop. Qualified lady or gentleman to manage branch. Good prospects. Apply, A. B. Thomas, M.P.S., 6 Colin Pde., N.W.9.

DURHAM CITY. Pharmacist required to manage retail department; a sound permanent position offered to capable person. Good hours. Holiday & Co., Ltd., Claypath Pharmacy, Durham City.

EAST SHEEN. Qualified manager required for busy dispensing business in East Sheen. Newly decorated flat available for suitable applicant. Good salary and commission. Apply Box 5/969.

EDINBURGH. Qualified pharmacist as manager of branch shop. Good dispensing business and excellent counter trade. Good basic salary plus share of profits to young man with initiative and ability. Assistance given in obtaining accommodation. Box 6/45.

ESSEX (15 miles London). Superintendent pharmacist required as soon as possible. Modern shop with well-equipped dispensary, situated in a good-class residential area. Exceptional salary offered to keen man. No accommodation available. Reply in confidence, to Box 6/70.

EXPERIENCED ASSISTANT required for pharmacy and photographic shop. City shop. Manchester. Good working conditions. Canteen. Box 6/47.

FLEET, HANTS. Assistant pharmacist or experienced unqualified assistant required; lady or gentleman; duties chiefly dispensing. W. L. Million, Ltd., 168 Fleet Road, Fleet, Hants.

GREAT GRIMSBY Co-operative Society, Ltd., require qualified pharmacist, male or female, to manage new pharmacy. Excellent living accommodation available. Applications, stating age, experience and salary, to Managing Secretary, 74 Garibaldi St., Grimsby.

HAMPSTEAD. Unqualified assistant (lady preferred but not essential) with dispensing experience required for extensive good-class pharmacy. Salary according to age and experience; congenial working conditions. All replies treated in strict confidence. Box 5/919.

HAMPSTEAD AREA. Qualified assistant sex) required for extensive high-class busin genial position offering scope for advance return for industrious service; good com salary equivalent to present average m rate. All replies treated in strict confiden 5/920.

HEPPELLS require qualified pharmacist West-End; male or female. Also part-tim fied lady. Permanent, congenial positions, nuation scheme. Please reply, giving ful and salary required, to Superintendent, (1932), Ltd., 70 Vauxhall Bridge Rd., S.W.1.

LONDON CO-OPERATIVE CHEMISTS, LTD, several experienced pharmacists for branch gerial appointments in the Ilford, Ealing, low and Palmers Green areas. Each positi considerable prospects, security of tenure salary basis of between £575 and £675 per plus other emoluments which can be cons Applications in first instance to Superi Chemist, Grange Rd., Leyton, E.10. Pho tonstone 5671.

MAIDA VALE. Experienced pharmacist req manage good-class dispensing business in Vale. Salary, including commission, £ annum. Apply Box 5/970.

MIDDLESBROUGH CO-OPERATIVE SOCIET requires pharmacist, either sex, to manage shop. Good wages and conditions. Superan scheme. Permanent, progressive position. accommodation available. Applications to Manager, Emporium, Middlesbrough.

NORTH FINCHLEY. Lady dispenser requ pleasant pharmacy to assist qualified manag Sundays or late duties. Please give detail perience and salary to John Harley, Lt Regency St., London, S.W.1.

PHARMACIST (man or woman), take char don branch, Lambeth area. Good salary an accommodation. Apply "J," Box 6/29.

PHARMACIST required as manager of bran in the West End of London. Good salary tion permanent and progressive. Small dis Hours 9 to 6. Write Box 5/934.

QUALIFIED ASSISTANT required for cit Manchester, preferably with interest in graphy. Good working conditions. No extra Canteen. Box 6/46.

QUEENSBURY. Pharmacist manager requi good-class business. Must be able to deve pensing department. Good salary, plus com with semi-detached house, available to applicant. Apply Box 5/967.

RICKMANSWORTH. Pharmacist manager r for good-class business. Must be able to dispensing department. Good salary, plu mission, with semi-detached house, avail suitable applicant. Apply Box 5/968.

SEVERAL YOUNG LADIES are required a and general assistants in the Walthamst Ilford areas. Short hours, good wages and allowance. London Co-operative Chemists Grange Rd., Leyton, E.10. Phone Leyt 5671.

SOUTH-WESTERN COUNTIES. Qualified r required as soon as possible. (Living accor tion available.) Good-class, busy dispensing b Applications please, with as full details as and availability for interview, to Secretary man, Ham & Co., Ltd., 1 Old Tiverto Exeter.

UNQUALIFIED assistant required for dispen busy high-class pharmacy, good salary, easy 4 others in staff Phone Aylesbury 211, re charge. P. M. Ashford, Ltd., 16 Marke Aylesbury, Bucks.

Situations Open—Continued

LIFIED ASSISTANT (lady or gentleman) mainly dispensing in busy pharmacy. Ex- working conditions in well-equipped up-to- pensary. Apply with full particulars ex- , etc., to O. L. Carrington, M.P.S., 300 Rd., Croydon.

D. Pharmacist with experience as manager of agricultural chemists in rural area (not macy). Pettifer, "Mayfield," Crudwell, ury, Wilts.

EKLY offered unqualified assistant (either working- and middle-class business within utes Waterloo Station, London, S.E.1. Can necessary, for suitable applicant. Write dence to Box 5/898.

LOCUMS WANTED

T, qualified locum, required three weeks cing June 6 and seven weeks commencing l. Apply by letter to the Staff Manager, ative Society, Ltd., 14 Catherine St., Bir-

T. Qualified male or female required as rom Sept. 5-17. No Sunday or half-holiday idney H. Blunt, Ltd., Cash Chemists, 106 y Green, Birmingham, 9. Tel. Vic. 1354.

N INDUSTRIAL CO-OPERATIVE SOCIETY, Wanted immediately, qualified pharmacist as locum for period of several weeks. Application, stating salary required, to etary, D.I.C.S., Ltd., School St., Darwen.

, QUALIFIED, required for city shop, Man- Early June or possibly other dates might ox 6/48.

RETAIL (OVERSEAS)

IED PHARMACISTS, single men, required s of four years by company with head office obi and branches throughout East Africa. ncing salary, £450-£600, according to ex- , plus current cost of living allowance. eeks' annual local leave and three clear home leave at end of tour. Passage paid ays. Agreement renewable at end of tour. ox 6/15.

WHOLESALE

ANCY will shortly arise for a medical repre- e for Cheshire and N. Wales on the staff maceutical Specialities (May & Baker), Ltd. ates should be preferably qualified pharma- e 28-35 years; some hospital training would idered an asset. The appointment will carry salary, commission and business expenses; a contributory pension fund. Apply, giv- l details and enclosing photograph (which returned) to the Personnel Officer, May & Ltd., Dagenham, Essex. Please quote re- No. 2659

ANCY OCCURS in the pharmaceutical de- t of a modern factory in Hazel Grove for g pharmacist interested in pharmaceutical n. Manufacturing experience not required. tions to be addressed to: Chief Processing cist, British Schering Manufacturing Labo- , Ltd., Macclesfield Rd., Hazel Grove, e.

& HANBURYS, LTD., require the services harmacist, male or female, in their West boratory. Canteen facilities. Apply. Man- llen & Hanburys, Ltd., 7 Vere St., W.1.

G ASSISTANT in pharmaceutical and cos- manufacturing company. Under 30, good on, some experience. W. R. Warner & Co., Power Rd., Chiswick, London, W.4.

AN EXCEPTIONAL OPPORTUNITY occurs for a salesman of character and vigour to represent an international pharmaceutical house, Southern and Home Counties. The selected candidate, who will be trained in the principles and practices of the company, will be a young experienced salesman with ability above the average. This is a well remunerated appointment offering a permanent progressive and interesting career. Applications, with fullest personal details and history, to Managing Director, Box 6/77.

ASSISTANT CHEMIST required by old-established pharmaceutical house, London (N.W. area); 5-day week. Manufacturing experience essential, together with interest in analytical work. Apply in writing, giving essential details, age, salary, etc., to Box A/32.

BY PERMISSION of the Ministry of Labour and National Service. Unqualified assistant required for pharmaceutical manufacture by London manufacturing chemists. Five-day week. Apply, giving full particulars of experience, to Box A/39.

CHEMIST wanted with pharmaceutical qualifications to supervise the manufacture of proprietary products for export markets. Applicant must have executive ability in addition to technical qualifications. Salary dependent upon experience. Write, giving full details of age, qualifications and experience, to Box A/41.

DISPATCH CLERK, one used to checking and packing, required by City wholesale house. Write, giving details of experience and age, to Box 6/23.

FILLING AND LABELLING DEPT. Capable young man (or woman) required to take charge of small but important dept. Apply, giving full details of age, experience, and salary required. Southon Laboratories, Ltd., 84-88 Upper Richmond Rd., London, S.W.15.

MEDICAL REPRESENTATIVE required for London, by old-established London manufacturing chemists, to call on doctors, dentists, hospitals, and the retail and wholesale trade. Applications invited from men 25 to 35 years of age, qualified or unqualified. Previous outdoor experience not essential, but knowledge of London an advantage. State age, experience and salary required and submit recent photo, which will be returned. Box A/33.

NORTH LONDON manufacturers require a chemist with wide experience in the manufacture of toilet preparations and pharmaceuticals; applicants should be able to supervise production and packing. 5-day week. Canteen. Salary according to experiences. Write full particulars to Box 6/76.

NORTHERN IRELAND. Leading and old-established manufacturers of nationally advertised hair beautifying preparations would be interested to hear from a representative already calling upon hairdressers, chemists and stores willing to undertake the additional distribution of their reputable lines. Write Box S 4827, A.K. Advg., 212A Shaftesbury Avenue, London, W.C.2.

OLD-ESTABLISHED LONDON DRUG HOUSE has vacancies for three young and energetic representatives: (a) East Coast (Mid-Essex to The Wash). Car provided. (b) South-Central London (Thames to Croydon). (c) West End of London and limited portion of N.W. London. Salary, commission and expenses. Must have personal connection with chemists. Write full particulars, in confidence, to Box 6/18.

PHARMACIST with good knowledge of manufacturing required by City firm for their laboratory and to assist in the retail. Write, giving particulars of experience, and salary required, to Box 6/21.

REPRESENTATIVES calling on retail trade required by vacuum flask manufacturer in the following areas: Northern Ireland, Scotland, N.E. England, N.W. England, Midlands and Eastern Counties. Remuneration on a commission basis. Box 5/983.

Situations Open—Continued

PART-TIME REPRESENTATIVES wanted for high-class nationally advertised proprietary herbal preparations. All districts except London. Commission basis only, which includes existing accounts. Details treated in confidence. Full co-operation is offered. Box 6/80.

SALES MANAGER required in London by an established firm of Manufacturing Chemists. The appointment offers exceptional prospects to an applicant experienced in up-to-date selling methods and who is able to control representatives with energy and ability. The post is permanent and progressive, and a good salary will be paid to the right man. Please apply in strictest confidence giving full details of past experience and age, etc., to Box A/6.

REPRESENTATIVES required for East Anglia, South-West Counties, Scotland and London, by leading manufacturers of toilet products, to call on retail chemists. Old-established nationally advertised lines. Car essential. Send details of experience, age and remuneration required, to Box 5/946.

REPRESENTATIVE required by Hirst Brooke & Hirst, Ltd., to take over and develop a soundly established connection with retail chemists in South Scotland, Westmorland and Cumberland. Reply in strict confidence to Managing Director, Sheepscar Works, Leeds, 7.

RESIDENT REPRESENTATIVE required by firm with established connections, for the sale of sanitary towels, sanitary belts, and nursing brassieres, etc., for the areas of Staffs, Cheshire, Derbys, Leicesters, Notts, and also for Warwick and Gloucester. Applicant must be well introduced amongst Chemists, wool shops, drapers, etc. State previous experience and particulars of other lines carried. Box 6/68.

SOUTHON LABORATORIES, LTD., require a first-class representative for S. London, Kent, Surrey and Sussex, residing in S. London. Position offers excellent opportunities for a keen man, under forty, preferably car owner. Remuneration is by salary, commission and expenses, and applicants should write in full confidence, giving full particulars of experience, age, etc., to The Sales Manager, Southon Laboratories, Ltd., 84-88 Upper Richmond Rd., London, S.W.15.

STAFFORD ALLEN & CO., LTD., have a vacancy in their London analytical laboratory for a senior assistant analyst. Applicants should be of B.Sc., A.R.I.C., or equivalent standard, and preferably have experience in alkaloidal assays and drug analysis in general. Salary according to qualifications and experience. Five-day week; pensions scheme; canteen facilities. Apply to The Secretary, Stafford Allen & Sons, Ltd., Dept. D/WM, Wharf Rd., London, N.1.

TABLET MAKER required by London manufacturing chemists, experienced in the production of high-class products and use of rotary machines. Apply, stating age, and salary required, to Box A/40.

WHOLESALE CHEMISTS, Bristol. Capable unqualified person, either sex, required for drugs and ethicals dept. Previous wholesale experience an advantage. Sound pharmaceutical knowledge essential. Apply by letter, giving full details of experience, and salary required, to Managing Director, Western Pharmaceuticals, Ltd., 42 Dongola Rd., Bristol, 7.

WANTED by large manufacturing chemists London area, tablet machine operators expe in the use of single-punch and rotary ma Apply, stating age, experience, and wages re to Box 6/53.

WRIGHT, LAYMAN & UMNEY, LTD., requi perienced male costing clerk at their facto perience in costing drug preparations es Age not over 40. Staff pensions scheme in tion; canteen available; 5-day week. Ap Managing Director, 66-76 Park St., London,

WRITER REQUIRED for the preparation of and direct mail advertisement texts covering medical and veterinary products. Applicatio vited from pharmacists, preferably under 3 should write, giving full particulars of pa perience, and salary required, to D.M.P. A/38.

YOUNG LADY required by small but well lished London firm of manufacturing ch close King's Cross, to supervise manufact medical preparations. Write giving particul age, experience, training and salary require 5/964.

MANUFACTURING HOUSE in South Wales have an opening for a QUALIFIED TABLET MA must be competent and thoroughly experienc all phases of tablet production, capable of t charge of department and controlling staff. week. Write, stating age, salary required, tog with outline of career, in strict confidence to Box

SITUATIONS WANTED

18 words 3/- (minimum) then 1d. per word. B

RETAIL (HOME)

YOUNG LADY (23), ex-nurse, requires posit private pharmacy. Experienced all branches dispensing). Capable taking charge. Toilet, surgical counters. Highest refs. L. Duffy, 3 Avenue, North Cheam, Surrey.

LOCUMS SEEKING ENGAGEMENT

QUALIFIED. Available for few weeks' loc Bournemouth, Parkstone, Poole district. Free June 11. Box 6/69.

WHOLESALE

ATTENTION, MANAGING DIRECTORS. manager requires progressive position. 15 experience in the pharmaceutical trade (pr taries, cosmetics, etc.). First-class sales org and excellent connections with leading buyer 6/64.

HIGH-CALIBRE SALES EXECUTIVE, M.S. qualified, 47, seeks change. Has outstanding keting ability evidenced by brilliant record s ful sales and executive experience past 20 intimate knowledge home market and its bilities; personal connection largest b thoroughly conversant latest accepted practice keting, distribution, advertising; natural flair tion, training, motivating of staff; accustome large turnover with important house manufac chemists; highest credentials; substantial available. Salary, £1,200 p.a. Your reply t in strict confidence. Box 6/83.

REPRESENTATIVE offers long established conn wholesale, retail chemists, departmental Midland Counties. Highest references. S commission, expenses. Consider sole agency. 6/71.

Situations Wanted—Continued

A.M.I.I.A., age 42, British subject, wide and administrative experience pharmacy, nufacture, ordnance, engineering and retail esires position works director or general . Good organiser with drive and initiative, perienced modern factory management, in- production control, mechanised methods puts, standard process, time and motion andards and practical applications, control r. Record will bear any investigation. First- erences. If the post offers responsibility- spects, locality within U.K. immaterial. ox K.866, Willings, 362 Grays Inn Rd., W.C.1.

AND POLISH TECHNOLOGIST. Advertiser, with expert knowledge of the manufac- soaps and substitutes, polishes and all d requisites, together with factory ad- ion in all its phases, desires to contact executive where this experience would l. All replies answered and treated in nfidence. Box 6/79.

AGENCIES WANTED

8/6 (minimum) then 3d. per word. Box 2/-

SUSSEX, SURREY, WILTS, DORSET. Rep- ve with sound personal connection whole- il chemists, Co-ops., requires first-class Present house 10 years. Own car. Con- s coverage guaranteed. Box 6/81.

NTATIVE covering South Wales requires agency. Live connection wholesale and ocers, chemists and stores. Car owner. Box

NTATIVE having well-established connec- h chemists in Bucks., Berks., Middlesex, don North of Thames, is open to represent two first-class manufacturers of well ad- quality products on commission basis. B.

USINESS OPPORTUNITIES

17/6 (minimum) then 4d. per word. Box 2/-

Y with excellent facilities for the manufac- Domestic, industrial and toilet preparations, all types of bottling, powder filling, molten to tins and tableting, invites enquiries from urers and merchants to Box 6/41.

ES INVITED for packing for all kinds of eutical products at low prices; special quo- or contract work. Quotations sent by re- x A/42.

-WIDE sales organisation with remarkable f successful merchandising is open to con- or two lines. Only branded lines offering ies of big permanent business are of in- Box S.551, c/o Erwoods, Ltd., 211 Picca- ndon, W.1.

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PANDA ROLLFILMS

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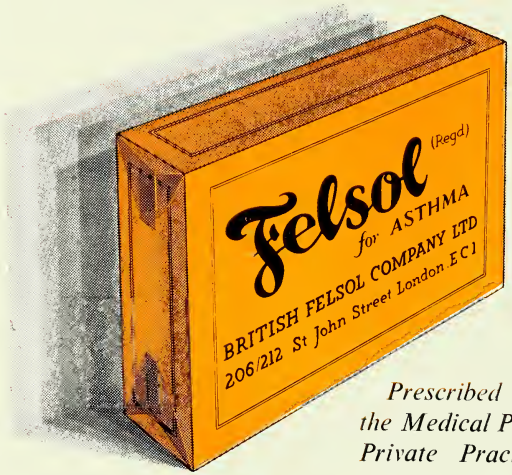

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